

MONTANA STATISTICAL ABSTRACT 1984

A SUPPLEMENT TO
ECONOMIC CONDITIONS
IN MONTANA, 1984



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February 1, 1985

The Honorable Ted Schwinden
Governor of Montana
& The Montana Legislature

Dear Governor Schwinden & Members of the Montana House & Senate:

I would like to present you with the Montana Statistical Abstract, 1984. It is an extensive informational supplement to Economic Conditions in Montana, 1984 and provides data on the population, employment, income, finances, land use, and natural resource areas in our great state.

This book is one of several projects on the Montana economy sponsored by the Governor's Council on Economic Development in 1984 and emerges from Executive Order No. 15-83 creating the Council on Economic Development. The section of the Executive Order which pertains to this document reads

Whereas, the Council will assist in the preparation of materials on economic development issues; will prepare a biennial economic development and economic conditions report; and will sponsor appropriate research and other functions important to Montana's efforts in the areas of economic development. . .

The Montana Statistical Abstract, 1984 is the most extensive compendium of facts and figures on Montana since at least 1970. I believe it will serve many purposes as a reference book on Montana.

Sincerely,



W.E. "Buster" Schreiber,
Chair
Governor's Council on
Economic Development

MONTANA STATISTICAL ABSTRACT, 1984

A SUPPLEMENT TO
ECONOMIC CONDITIONS IN MONTANA, 1984

Submitted to:

The Honorable Ted Schwinden
Governor of Montana

Prepared by:

Dwayne Ward, Ph.D. and Bruce Schwartz
Census and Economic Information Center
Montana Department of Commerce

January 1985

GENERAL SUBJECT AREA HEADINGS

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ABBREVIATIONS

The following abbreviations and symbols are used throughout the tables:

- (D) Withheld to avoid disclosing data for individual firms
- (X) Not applicable
- (Z) Less than half of the unit shown
- (NA) Not available

ROUNDING: All numbers may not add exactly to totals due to rounding

CHAPTER I

POPULATION

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TABLE I - 1
AREA AND POPULATION - 1980

Item	Land Area Sq. Mi.	Population	Population Per Sq. Mi.
Montana	145,392	786,690	5.4
United States	3,539,289	226,545,805	64.0

SOURCE: U.S. Bureau of the Census, 1980 Census, Number of Inhabitants, Montana and Number of Inhabitants, United States.

TABLE I - 2
MONTANA POPULATION: 1870-1980

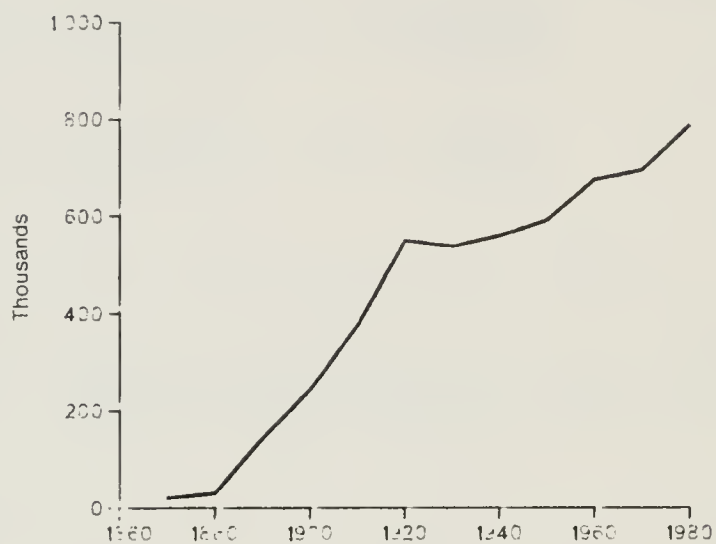
Year	Number
1870	20,595
1880	39,159
1890	142,924
1900	243,329
1910	376,053
1920	548,889
1930	537,606
1940	559,456
1950	591,024
1960	674,767
1970	694,409
1980	786,690

SOURCE: U.S. Bureau of the Census, Censuses of Population, 1870 - 1980.

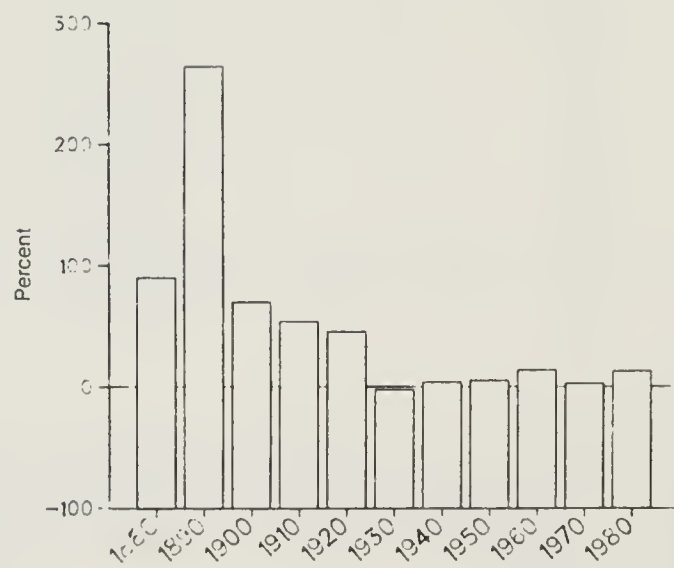
FIGURE I-1

MONTANA POPULATION
1870-1980

Montana
Population



Population Change
From Preceding Census



Source: U.S. Bureau of The Census.

TABLE I - 3

MONTANA POPULATION: 1970 - 1984

(rounded to nearest thousand)

Year	Population	Population Change from Previous Year	% Population Change from Previous Year
* 1970	694,000		
1971	711,000	17,000	2.4
1972	719,000	8,000	1.1
1973	727,000	8,000	1.1
1974	736,000	9,000	1.2
1975	748,000	12,000	1.6
1976	757,000	9,000	1.2
1977	770,000	13,000	1.7
1978	782,000	12,000	1.6
1979	787,000	5,000	0.6
* 1980	787,000	0	0.0
1981	796,000	9,000	1.1
1982	805,000	9,000	1.1
1983	815,000	10,000	1.2
1984	824,000	9,000	1.1

* Census Year

SOURCES: For all but census years, U.S. Bureau of the Census, Population Estimates and Projections, Series P-25, May 1984. For census years, U.S. Bureau of the Census, Censuses of Population, Montana, 1970 and 1980.

TABLE I - 4

POPULATION DENSITY, SELECTED YEARS

(Number of People per Square Mile)

Year	Montana	Idaho	Wyoming	United States
1870	0.1	0.2	0.1	(NA)
1880	0.3	0.4	0.2	(NA)
1890	1.0	1.1	0.6	(NA)
1900	1.7	2.0	1.0	(NA)
1910	2.6	4.0	1.5	(NA)
1920	3.8	5.2	2.0	(NA)
1930	3.7	5.4	2.3	(NA)
1940	3.8	6.4	2.6	(NA)
1950	4.6	8.2	3.4	42.6
1960	4.1	7.1	3.0	50.7
1970	4.8	8.7	3.4	57.4
1980	5.4	11.5	4.8	64.0

(NA) not available due to changing land area
U.S. includes all 50 states

SOURCES: U.S. Bureau of the Census, 1980 Census, Number of Inhabitants volumes for Montana, Idaho and Wyoming. 1984 Statistical Abstract of the United States, p. 6, for U.S. population density. Includes land area only. Some density calculations by the Census and Economic Information Center, Montana Dept. of Commerce.

TABLE I - 5

PERCENT CHANGE IN POPULATION: 1870 - 1980
FROM PRECEDING DECENNIAL CENSUS

Year	Percent Change
1880	90.1
1890	265.0
1900	70.3
1910	54.5
1920	46.0
1930	-2.1
1940	4.1
1950	5.6
1960	14.2
1970	2.9
1980	13.3

SOURCE: Based on U.S. Bureau of the Census, Censuses of Population, Montana, 1870-1980. Calculations by Census & Economic Information Center, Montana Department of Commerce.

TABLE I - 6
COMPONENTS OF POPULATION CHANGE IN MONTANA
1980 and 1970

	1970	1980
Population	694,409	786,690

	Number	Percent
Change	92,281	13.3

	Births	Deaths	Net Migration	
			Number	Percent
Components of Change (estimates)	125,659	66,399	33,021	5

SOURCE: U.S. Bureau of the Census, 1980 Census. Number of Inhabitants, Montana and Montana Census & Economic Information Center, net migration computation.

**Standard Metropolitan Statistical Areas, Counties,
National Park (Part), and Selected Places**

MONTANA LAND AREA AND POPULATION

1930 to 1980

County	1980 Land Area		Population				1980		Percent Change	
	Square Miles	Square Kilometers	1930	1940	1950	1960	Number	Per Sq. Km.	1960 to 1970	1970 to 1980
Montana	145,392	376,564	537,606	559,456	591,024	674,767	786,690	5.4	2.1	2.9
Beaverhead	5,529	14,319	6,654	6,943	6,671	7,194	8,187	1.5	0.6	13.8
Big Horn	4,983	12,906	8,543	10,419	9,824	10,007	10,057	2.2	0.9	0.5
Blaine	4,259	11,030	9,006	9,566	8,516	8,091	6,727	1.6	0.6	-16.9
Broadwater	1,188	3,078	2,738	3,451	2,922	2,804	2,526	2.8	1.1	-9.9
Carbon	2,056	5,325	12,571	11,865	10,241	8,317	7,080	3.9	1.5	-14.9
Carter	3,342	8,657	4,136	3,280	2,798	2,493	1,956	0.5	0.2	-21.5
Cascade	2,699	6,990	41,146	41,999	53,027	73,418	81,804	29.9	11.5	-1.4
Chouteau	3,988	10,328	8,635	7,316	6,974	7,348	6,473	1.5	0.6	-11.9
Custer	3,776	9,780	11,242	10,422	12,661	13,227	12,174	3.5	1.3	-8.0
Daniels	1,427	3,696	5,553	4,563	3,946	3,755	3,083	2.0	0.8	-17.9
Dawson	2,374	6,149	9,881	8,618	9,092	12,314	11,269	5.0	1.9	-8.5
Deer Lodge	740	1,917	16,293	13,627	16,553	18,640	15,652	16.9	6.5	-16.0
Fallon	1,623	4,203	4,568	3,719	3,660	3,997	4,050	2.3	0.9	1.3
Fergus	4,340	11,241	16,531	14,040	14,015	14,018	12,611	3.0	1.2	-10.0
Flathead	5,112	13,241	19,200	24,271	31,495	32,965	39,460	10.2	3.9	19.7
Gallatin	2,510	6,500	16,124	18,269	21,902	26,045	32,505	17.1	6.6	24.8
Garfield	4,491	11,632	4,252	2,641	2,172	1,981	1,796	0.4	0.1	-9.3
Glacier	2,995	7,756	5,297	9,034	9,645	11,565	10,783	3.5	1.4	-6.8
Golden Valley	1,172	3,035	2,126	1,607	1,337	1,203	931	0.9	0.3	-22.6
Granite	1,729	4,479	3,013	3,401	2,773	3,014	2,737	1.6	0.6	-9.2
Hill	2,897	7,504	13,775	13,304	14,285	18,653	17,358	6.2	2.4	-6.9
Jefferson	1,656	4,290	4,133	4,664	4,014	4,297	5,238	4.2	1.6	21.9
Judith Basin	1,871	4,845	5,238	3,655	3,200	3,085	2,667	1.4	0.5	-13.5
Lake	1,493	3,866	9,541	13,490	13,835	13,104	14,445	12.8	4.9	10.2
Lewis and Clark	3,461	8,965	18,224	22,131	24,540	28,006	33,281	12.4	4.8	18.8
Liberty	1,427	3,695	2,198	2,209	2,180	2,624	2,359	1.6	0.6	-10.1
Lincoln	3,616	9,365	7,089	7,882	8,693	12,537	18,063	4.9	1.9	44.1
McCone	2,626	6,802	4,790	3,798	3,258	3,321	2,875	2.702	1.0	0.4
Madison	3,590	9,298	6,323	7,294	5,998	5,211	5,014	1.5	0.6	-3.8
Meagher	2,392	6,196	2,272	2,237	2,079	2,616	2,122	0.9	0.3	-18.9
Mineral	1,216	3,150	1,626	2,135	2,081	3,037	2,958	3.0	1.2	-2.6
Missoula	2,582	6,688	21,782	29,038	35,493	44,663	58,263	29.4	11.4	30.5
Musselshell	1,871	4,845	7,242	5,717	5,408	4,888	3,734	2.4	0.9	-23.6
Park	2,665	6,902	10,922	11,566	11,999	13,168	11,197	4.8	1.8	-15.0
Petroleum	1,652	4,279	2,045	1,083	1,026	894	675	0.4	0.2	-24.5
Phillips	5,131	13,290	8,208	7,892	6,334	6,027	5,386	1.0	0.4	-10.6
Pondera	1,632	4,226	6,964	6,716	6,392	7,653	6,611	4.1	1.6	-13.6
Powder River	3,288	8,515	3,909	3,159	2,693	2,862	2,520	0.8	0.3	15.2
Powell	2,329	6,033	6,202	6,152	6,301	7,002	6,660	3.0	1.2	-4.9
Prairie	1,732	4,487	3,941	2,410	2,377	2,318	1,752	1.1	0.4	-24.4

TABLE I - 7
(cont.)

County	1980 Land Area		Population					1980		Percent Change		
	Square Miles	Square Kilometers	1930	1940	1950	1960	1970	Number	Per Sq. Mi.	Per Sq. Km.	1960 to 1970	1970 to 1980
Ravalli	2,384	6,175	10,315	12,978	13,101	12,341	14,409	22,493	9.4	3.6	16.8	56.1
Richland	2,081	5,391	9,633	10,209	10,366	10,504	9,837	12,243	5.9	2.3	-6.3	24.5
Roosevelt	2,357	6,105	10,672	9,806	9,580	11,731	10,365	10,467	4.4	1.7	11.6	1.0
Rosebud	5,019	12,999	7,347	6,477	6,570	6,187	6,032	9,899	2.0	0.8	-2.5	64.1
Sanders	2,749	7,119	5,692	6,926	6,983	6,880	7,093	8,675	3.2	1.2	3.1	22.3
Sheridan	1,681	4,354	9,869	7,814	6,674	6,458	5,779	5,414	3.2	1.2	-10.5	-6.3
Silver Bow	719	1,861	56,969	53,207	48,422	46,454	41,981	38,092	53.0	20.5	-9.6	-9.3
Stillwater	1,793	4,644	6,253	5,694	5,416	5,526	4,632	5,598	3.1	1.2	-16.2	20.9
Sweet Grass	1,856	4,807	3,944	3,719	3,621	3,290	2,980	3,216	1.7	0.7	-9.4	7.9
Teton	2,275	5,893	6,068	6,922	7,232	7,295	6,116	6,491	2.9	1.1	-16.2	6.1
Toole	1,931	5,001	6,714	6,769	6,867	7,904	5,839	5,559	2.9	1.1	-26.1	-4.8
Treasure	975	2,526	1,661	1,499	1,402	1,345	1,069	981	1.0	0.4	-20.5	-8.2
Valley	4,936	12,785	11,181	15,181	11,353	17,080	11,471	10,250	2.1	0.8	-32.8	-10.6
Wheatland	1,419	3,676	3,751	3,286	3,187	3,026	2,529	2,359	1.7	0.6	-16.4	-6.7
Wibaux	888	2,301	2,767	2,161	1,907	1,698	1,465	1,476	1.7	0.6	-13.7	0.8
Yellowstone	2,624	6,796	30,785	41,182	55,875	79,016	87,367	108,035	41.2	15.9	10.6	23.7
Yellowstone National Park	245	634	52	43	58	47	64	66	1.1	0.4	36.2	329.7

SOURCE: U.S. Bureau of the Census, 1980 Census, Number of Inhabitants, Montana, p. 28-8.

TABLE I - 8

ESTIMATES OF THE POPULATION OF MONTANA COUNTIES
1980 - 1983

County	4/1/80 Census	7/1/81 ¹	7/1/82 ¹ Provis.	* 1983 Tentative	Components of Change, 1980-82 ²						
					Change, 1980-82		Net Migration		Deaths	Number	Percent
					Number	Percent	Births	Number			
Montana	786,690	796,000	804,000	*	18,000	2.2	32,000	15,000	1,000	0.1	
Beaverhead	8,186	8,200	8,500	8,600	300	4.1	300	200	200	2.6	
Big Horn	11,096	11,500	11,400	11,500	300	2.7	700	300	-100	-0.9	
Blaine	6,999	6,900	6,900	7,000	-100	-1.2	300	200	-300	-3.9	
Broadwater	3,267	3,200	3,300	3,400	(Z)	0.6	100	100	(Z)	-0.6	
Carbon	8,099	8,100	8,300	8,500	200	2.5	300	200	200	1.9	
Carter	1,799	1,700	1,700	1,700	-100	-4.6	100	(Z)	-100	-5.9	
Cascade	80,696	80,100	80,100	80,900	-600	-0.8	3,400	1,400	-2,700	-3.3	
Chouteau	6,092	6,000	6,100	6,100	(Z)	0.8	300	100	-100	-1.1	
Custer	13,109	13,200	13,300	13,400	200	1.7	500	300	100	0.5	
Daniels	2,835	2,800	2,800	2,800	(Z)	-1.2	100	100	(Z)	-1.7	
Dawson	11,805	12,300	12,700	12,500	900	7.9	600	200	600	5.0	
Deer Lodge	12,518	12,000	11,600	11,500	-900	-7.5	300	400	-900	-7.0	
Fallon	3,763	3,700	3,800	3,800	(Z)	0.4	200	100	-100	-2.2	
Fergus	13,076	12,900	13,000	13,000	-100	-0.8	500	300	-300	-2.0	
Flathead	51,966	52,200	52,300	53,200	300	0.7	2,100	900	-800	-1.6	
Gallatin	42,865	43,900	45,300	46,100	2,400	5.6	1,500	600	1,400	3.3	
Garfield	1,656	1,700	1,700	1,700	(Z)	1.0	100	(Z)	(Z)	-1.9	
Glacier	10,628	10,900	11,000	11,200	400	3.8	600	200	(Z)	(Z)	
Golden Valley	1,026	1,100	1,100	1,100	100	5.5	(Z)	(Z)	(Z)	3.3	
Granite	2,700	2,700	2,600	2,700	-100	-2.1	100	100	-100	-2.7	
Hill	17,985	18,300	18,500	18,600	500	3.0	800	300	(Z)	0.2	
Jefferson	7,029	7,200	7,300	7,900	200	3.5	300	100	100	1.1	
Judith Basin	2,646	2,800	2,700	2,700	(Z)	0.3	100	100	(Z)	-0.1	
Lake	19,056	19,200	19,400	19,900	300	1.6	800	400	-100	-0.5	
Lewis & Clark	43,039	43,900	44,300	45,100	1,300	3.0	1,700	700	300	0.7	
Liberty	2,329	2,400	2,400	2,400	100	3.6	100	(Z)	(Z)	0.1	
Lincoln	17,752	17,900	18,000	18,200	300	1.5	700	300	-200	-1.1	
McCone	2,702	2,700	2,800	2,700	100	2.4	100	(Z)	(Z)	-0.2	
Madison	5,448	5,700	5,800	5,800	300	5.6	200	200	300	4.6	
Meagher	2,154	2,200	2,200	2,300	100	3.8	100	(Z)	(Z)	2.3	
Mineral	3,675	3,600	3,500	3,500	-100	-3.9	200	100	-300	-6.8	
Missoula	76,016	76,400	75,200	75,600	-900	-1.1	3,100	1,100	-2,800	-3.7	
Musselshell	4,428	4,600	4,600	4,700	200	4.8	200	100	100	3.3	
Park	12,869	13,400	13,300	13,500	400	3.3	500	300	200	1.7	
Petroleum	655	700	700	700	(Z)	1.7	(Z)	(Z)	(Z)	-1.2	
Phillips	5,367	5,400	5,400	5,600	(Z)	0.9	200	100	-100	-1.0	
Pondera	6,731	6,700	6,800	7,000	100	1.7	300	100	(Z)	-0.2	
Powder River	2,520	2,500	2,500	2,500	-100	-2.1	100	(Z)	-100	-4.7	
Powell	6,958	6,900	6,700	6,700	-200	-3.2	300	200	-300	-4.4	
Prairie	1,836	1,900	1,900	1,900	100	3.6	(Z)	(Z)	100	3.3	
Ravalli	22,493	23,200	23,500	24,000	1,000	4.5	800	500	700	3.0	

TABLE I-8
(cont.)

County	4/1/80 Census	7/1/81 ¹	7/1/82 ¹ Provis.	* 1983 Tentative	Change, 1980-82		Components of Change, 1980-82 ²			
					Number	Percent	Births	Deaths	Net Migration	
									Number	Percent
Richland	12,243	13,700	14,900	14,700	2,700	22.0	800	200	2,100	17.5
Roosevelt	10,467	10,800	11,300	11,500	800	7.7	600	300	500	4.6
Rosebud	9,899	10,900	12,200	13,600	2,300	22.9	600	200	1,800	18.6
Sanders	8,675	8,700	9,000	9,100	300	3.8	300	200	200	2.3
Sheridan	5,414	5,700	6,000	6,000	600	10.8	200	100	500	8.8
Silver Bow	38,092	37,600	36,600	36,200	-1,500	-4.0	1,200	1,100	-1,700	-4.4
Stillwater	5,598	5,600	5,800	6,000	200	3.3	200	200	200	2.8
Sweet Grass	3,216	3,300	3,300	3,300	100	2.2	100	100	(Z)	1.4
Teton	6,491	6,500	6,400	6,500	-100	-1.4	300	100	-200	-3.4
Toole	5,559	5,600	5,700	5,800	100	1.7	300	100	-100	-0.9
Treasure	981	1,000	1,000	1,000	(Z)	4.0	(Z)	(Z)	(Z)	1.9
Valley	10,250	10,100	9,900	9,900	-300	-2.9	400	200	-500	-5.1
Wheatland	2,359	2,200	2,300	2,300	-100	-4.2	100	100	-100	-5.1
Wibaux	1,476	1,600	1,600	1,500	100	6.5	100	(Z)	100	4.7
Yellowstone	108,035	110,200	113,400	116,800	5,300	4.9	4,300	1,700	2,700	2.5
Yellowstone National Park	66	100	100	100	(Z)	1.5	(Z)	(Z)	(Z)	1.5

(Z) - Less than 50 persons or less than 0.05 percent.

¹ The State estimates shown in this report supersede those published earlier in Current Population Reports, Series P-25, No. 927.

² Births and deaths are based on reported vital statistics from 4/1/80 to 12/31/81, with extrapolations to 6/30/82. Net migration is the difference between net change and natural change.

*NOTE: 1983 county population estimates do not add to the U.S. Bureau of the Census statewide estimate of 815,000 due to differing methodology. It is recommended that the latter figure be used rather than the sum of county population for a statewide figure.

SOURCES: Census and Economic Information Center, Montana Department of Commerce, 1983 county population estimates. All other figures are from the U.S. Bureau of the Census, Local Population Estimates, February 1984.

TABLE I - 9
MONTANA POPULATION OF PLACES
1960 to 1980

Incorporated Places & Census-Designated Places	County	1960	1970	1980
Alberton town	Mineral	356	363	368*
Anaconda-Deer Lodge County	Deer Lodge	12,054	9,771	12,518*
Bainville town	Roosevelt	285	217	245
Baker city	Fallon	2,365	2,584	2,354
Bearcreek town	Carbon	61	31	61
Belgrade town	Gallatin	1,057	1,307	2,336
Belt city	Cascade	757	656	825
Bigfork (CDP)	Flathead	(NA)	(NA)	1,080
Big Sandy town	Chouteau	954	827	835
Big Timber city	Sweet Grass	1,660	1,592	1,690
Billings city	Yellowstone	52,851	61,581	66,842
Billings Heights (CDP)	Yellowstone	(NA)	(NA)	8,480
Bonner-West Riverside (CDP)	Missoula	(NA)	(NA)	1,742
Boulder town	Jefferson	1,394	1,342	1,441
Bozeman city	Gallatin	13,361	18,670	21,645
Bridger town	Carbon	824	717	724
Broadus town	Powder River	628	799	712
Broadview town	Yellowstone	160	123	120
Brockton town	Roosevelt	367	401	374
Browning town	Glacier	2,011	1,700	1,226
Butte-Silver Bow	Silver Bow	27,877	23,368	37,205*
Cascade town	Cascade	604	714	773
Chester town	Liberty	1,158	936	963
Chinook city	Blaine	2,326	1,813	1,660
Choteau city	Teton	1,966	1,586	1,798
Circle town	McCone	1,117	964	931
Clyde Park town	Park	253	244	283
Colstrip (CDP)	Rosebud	(NA)	(NA)	1,476
Columbia Falls city	Flathead	2,132	2,652	3,112
Columbus town	Stillwater	1,281	1,173	1,439
Conrad city	Pondera	2,665	2,770	3,074
Culbertson town	Roosevelt	919	821	887
Cut Bank city	Glacier	4,539	4,004	3,688
Darby town	Ravalli	398	538	581
Deer Lodge city	Powell	4,681	4,306	4,023
Denton town	Fergus	410	398	356
Dillon city	Beaverhead	3,690	4,548	3,976
Dodson town	Phillips	313	196	158
Drummond town	Granite	577	494	414
Dutton town	Teton	504	415	359

TABLE I - 9
(cont.)

Incorporated Places & Census-Designated Places	County	1960	1970	1980
East Helena town	Lewis & Clark	1,490	1,651	1,647
East Missoula (CDP)	Missoula	(NA)	(NA)	1,707
Ekalaka town	Carter	738	663	620
Ennis town	Madison	525	501	660
Eureka town	Lincoln	1,229	1,195	1,119
Evergreen (CDP)	Flathead	(NA)	(NA)	3,746
Fairfield town	Teton	752	638	650
Fairview city	Richland	1,006	956	1,366
Flaxville town	Daniels	262	185	142
Forsyth city	Rosebud	2,032	1,873	2,553
Fort Benton city	Chouteau	1,887	1,863	1,693
Froid town	Roosevelt	418	330	323
Fromberg town	Carbon	367	364	469
Geraldine town	Chouteau	364	370	305
Glasgow city	Valley	6,398	4,700	4,455
Glendive city	Dawson	7,058	6,305	5,978
Grass Range town	Fergus	222	181	139
Great Falls city	Cascade	55,244	60,091	56,725
Hamilton city	Ravalli	2,475	2,499	2,661
Hardin city	Big Horn	2,789	2,733	3,300
Harlem city	Blaine	1,267	1,094	1,023
Harlowton city	Wheatland	1,734	1,375	1,181
Havre city	Hill	10,740	10,558	10,891
Havre North (CDP)	Hill	1,168	1,073	1,230
Helena city	Lewis & Clark	20,227	22,730	23,938
Hingham town	Hill	254	262	186
Hobson town	Judith Basin	207	192	261
Hot Springs town	Sanders	585	664	601
Hysham town	Treasure	494	373	449
Ismay town	Custer	59	40	31
Joliet town	Carbon	452	412	580
Jordan town	Garfield	557	529	485
Judith Gap city	Wheatland	185	160	213
Kalispell city	Flathead	10,151	10,526	10,648
Kevin town	Toole	375	250	208
Laurel city	Yellowstone	4,601	4,454	5,481
Lavina town	Golden Valley	212	169	164
Lewistown city	Fergus	7,408	6,437	7,104
Libby city	Lincoln	2,828	3,286	2,748
Lima town	Beaverhead	397	351	272

TABLE I - 9
(cont.)

Incorporated Places & Census-Designated Places	County	1960	1970	1980
Livingston city	Park	8,229	6,883	6,994
Lodge Grass town	Big Horn	687	806	771
Lolo (CDP)	Missoula	(NA)	(NA)	2,418
Malmstrom AFB (CDP)	Cascade	(NA)	8,374	6,675
Malta city	Phillips	2,239	2,195	2,367
Manhattan town	Gallatin	889	816	988
Medicine Lake town	Sheridan	452	393	408
Melstone town	Musselshell	266	227	238
Miles City city	Custer	9,665	9,023	9,602
Missoula city	Missoula	27,090	29,497	33,388
Missoula South (CDP)	Missoula	(NA)	4,886	5,557
Moore town	Fergus	216	219	229
Nashua town	Valley	796	513	495
Neihart town	Cascade	150	109	91
Opheim town	Valley	457	306	210
Orchard Homes (CDP)	Missoula	(NA)	(NA)	10,837
Outlook town	Sheridan	226	153	122
Philipsburg town	Granite	1,107	1,128	1,138
Pinesdale town	Ravalli			458
Plains town	Sanders	769	1,046	1,116
Plentywood city	Sheridan	2,121	2,381	2,476
Plevna town	Fallon	263	189	191
Polson city	Lake	2,314	2,464	2,798
Poplar city	Roosevelt	1,565	1,389	995
Rattlesnake (CDP)	Missoula	(NA)	1,492	3,474
Red Lodge city	Carbon	2,278	1,844	1,896
Rexford town	Lincoln	(NA)	243	130
Richey town	Dawson	480	389	417
Ronan city	Lake	1,334	1,347	1,530
Roundup city	Musselshell	2,842	2,116	2,119
Ryegate town	Golden Valley	314	261	273
Saco town	Phillips	490	356	252
St. Ignatius town	Lake	940	925	877
Scobey city	Daniels	1,726	1,486	1,382
Shelby city	Toole	4,017	3,111	3,142
Sheridan town	Madison	539	636	646
Sidney city	Richland	4,564	4,543	5,726
Stanford town	Judith Basin	615	505	595
Stevensville town	Ravalli	784	829	1,207
Sunburst town	Toole	882	604	476
Superior town	Mineral	1,242	993	1,054
Terry city	Prairie	1,140	870	929
Thompson Falls town	Sanders	1,274	1,356	1,478

TABLE I - 9
(cont.)

Incorporated Places & Census-Designated Places	County	1960	1970	1980
Three Forks town	Gallatin	1,161	1,188	1,247
Townsend city	Broadwater	1,528	1,371	1,587
Troy town	Lincoln	855	1,046	1,088
Twin Bridges town	Madison	509	613	437
Valier town	Pondera	724	651	640
Vaughn (CDP)	Cascade	(NA)	(NA)	2,270
Virginia City town	Madison	194	149	192
Walkerville city	Silver Bow	1,453	1,097	887
Westby town	Sheridan	309	287	291
West Yellowstone town	Gallatin	(NA)	756	735
Whitefish city	Flathead	2,965	3,349	3,703
Whitehall town	Jefferson	898	1,035	1,030
White Sulphur Springs city	Meagher	1,519	1,200	1,302
Wibaux town	Wibaux	766	644	782
Winifred town	Fergus	220	190	155
Winnett town	Petroleum	360	271	207
Wolf Point city	Roosevelt	3,585	3,095	3,074

* Consolidated city-county population.

(NA) - Not available.

CDP - Census-designated place.

SOURCE: U.S. Bureau of the Census, 1980 Census of Population, Number of Inhabitants, Montana, p. 28-14, with some editorial changes.

TABLE I - 10

LAND AREA AND POPULATION, PLACES OF 2,500 OR MORE: 1980

All Places of 2,500 or more	1980 Land Area Sq.Mi.	1980 Population		
		Number	Per Sq.Mi.	% Change 1970-80
* Anaconda-Deer Lodge County	740.2	12,518	16.9	28.1
Billings	20.3	66,842	3,291.1	8.5
Billings Heights (CDP)	5.7	8,480	1,485.1	(NA)
Bozeman	7.6	21,645	2,844.3	15.9
**Butte-Silver Bow	713.0	37,205	52.2	59.2
Columbia Falls	1.2	3,112	2,593.3	17.3
Conrad	1.9	3,074	1,626.5	11.0
Cut Bank	1.2	3,688	3,179.3	-7.9
Deer Lodge	1.9	4,023	2,128.6	-6.6
Dillon	1.4	3,976	2,780.4	-12.6
Evergreen (CDP)	2.6	3,746	1,469.0	(NA)
Forsyth	1.8	2,553	1,410.5	36.3
Glasgow	1.3	4,455	3,400.8	-5.2
Glendive	3.1	5,978	1,934.6	-5.2
Great Falls	16.1	56,725	3,523.3	-5.6
Hamilton	1.2	2,661	2,217.5	6.5
Hardin	1.2	3,300	2,844.8	20.7
Havre	2.7	10,891	4,033.7	3.2
Helena	13.3	23,938	1,797.1	5.3
Kalispell	3.4	10,648	3,068.6	1.2
Laurel	1.3	5,481	4,184.0	23.1
Lewistown	1.2	7,104	6,124.1	10.4
Libby	1.0	2,748	2,748.0	-16.4
Livingston	2.3	6,994	3,067.5	1.6
Malmstrom AFB (CDP)	2.6	6,675	2,577.2	-20.3
Miles City	3.0	9,602	3,190.0	6.4
Missoula	11.1	33,388	3,013.4	13.2
Missoula South (CDP)	1.7	5,557	3,347.6	13.7
Orchard Homes (CDP)	7.6	10,837	1,424.0	(NA)
Polson	1.3	2,798	2,135.9	13.6
Rattlesnake (CDP)	2.6	3,474	1,362.4	132.8
Shelby	1.2	3,142	2,533.9	1.0
Sidney	1.5	5,726	3,718.2	26.0
Whitefish	2.2	3,703	1,683.2	10.6
Wolf Point	0.9	3,074	3,616.5	-0.7

* Anaconda city and the balance of Deer Lodge County were consolidated and are now designated as Anaconda-Deer Lodge County.

** Butte city was consolidated with the balance of Silver Bow County except Walkerville city and is now designated as Butte-Silver Bow.

(NA) - Not available.

CDP - Census-designated place.

SOURCE: Census and Economic Information Center, Montana Dept. of Commerce, from U.S. Bureau of the Census files.

TABLE I - 11

MONTANA POPULATION BY URBAN AND RURAL RESIDENCE

1970 AND 1980

Residence	1970		1980		% Change 1970-80
	Number	% of Total	Number	% of Total	
Total Population	694,409	100.0	786,690	100.0	13.3
Urban	370,676	53.4	416,402	52.9	12.3
Rural	323,733	46.6	370,288	47.1	14.4
Places 1000 to 2500	53,685	7.7	56,206	7.1	4.7
Places Less than 1000	31,347	4.5	30,386	3.9	-3.1
Other Rural Areas	238,701	34.4	283,696	36.1	18.8

SOURCE: U.S. Bureau of the Census, Census of Population and Housing, 1970 and 1980 Computer Tapes.

TABLE I - 12

PERCENT URBAN/RURAL RESIDENCE OF POPULATION

	1950	1960	1970	1980
United States:				
Rural	36.0	30.1	26.5	26.3
Urban	64.0	69.9	73.5	73.7
Montana:				
Rural	56.3	49.8	46.6	47.1
Urban	43.7	50.2	53.4	52.9
Idaho:				
Rural	57.1	52.5	45.9	46.0
Urban	42.9	47.5	54.1	54.0
Wyoming:				
Rural	50.2	43.2	39.5	37.3
Urban	49.8	56.8	60.5	62.7

NOTE: According to the 1980 census definition, the urban population comprises all persons living in: 1) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in AK and NY) and towns (except in the New England states, NY, and WI), but excluding those persons living in the rural portions of extended cities (places with low population density in one or more large parts of their areas); 2) census-designated places (previously termed unincorporated) of 2,500 or more inhabitants; and 3) other territory, incorporated or unincorporated, included in urbanized areas. An urbanized area consists of a central city or a central core, together with contiguous closely settled territory, that combined have a total population of at least 50,000.

In censuses prior to 1950, the urban population comprised all persons living in incorporated places of 2,500 or more inhabitants and areas (usually minor civil divisions) classified as urban under special rules relating to population size and density. To improve its measure of the urban population, the Bureau of the Census in 1950 adopted the concept of the urbanized area and delineated boundaries for unincorporated places. The 1950 definition has continued substantially unchanged, except for minor modifications in 1960, the introduction of the extended city concept in 1970, and changes in the criteria for defining urbanized areas for 1980 so as to permit such areas to be defined around smaller centers. In all definitions, the population not classified as urban constitutes the rural population.

SOURCE: U.S. Bureau of the Census, Statistical Abstract of the United States (various years).

TABLE I - 13

MONTANA POPULATION BY RESIDENCE

Group	1980 Persons	% of Total	% Change	
			1960-70	1970-80
Urban Population	416,402	52.9	+9.5	+12.3
Rural Population	370,288	47.1	-3.7	+14.4
Rural Population In Places of Less Than 2,500	86,592	11.0	-6.5	+1.8

SOURCE: U.S. Bureau of the Census, 1980 Census, Number of Inhabitants, Montana.

TABLE I - 14

METROPOLITAN AND NONMETROPOLITAN AREA POPULATION
1970 TO 1980
(As of April 1. Excludes Armed Forces abroad)

	TOTAL (1,000)		% CHANGE 1970-80 (1983 Def. ¹)	% OF STATE			
	1983 Defin. ¹			1980			
	1970	1980		1983 Defin. ¹	1980	Def. ²	
METROPOLITAN AREA POPULATION:							
United States	155,413	171,777	169,431	10.5	76.4	75.8	74.8
Mountain States:	5,029	7,102	7,173	41.2	60.7	62.4	63.1
Montana	169	189	189	11.6	24.4	24.0	24.0
Idaho	112	173	173	54.2	15.7	18.3	18.3
Wyoming	51	72	72	40.2	15.4	15.3	15.3
NONMETROPOLITAN AREA POPULATION:							
United States	47,889	54,769	57,115	14.4	23.6	24.2	25.2
Mountain States:	3,261	4,271	4,200	31.0	39.3	37.6	36.9
Montana	525	598	598	13.8	75.6	76.0	76.0
Idaho	601	771	771	28.3	84.3	81.7	81.7
Wyoming	281	398	398	41.5	84.6	84.7	84.7

NOTES: Mountain States are Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, and Nevada.

"Metropolitan" population is the population in Standard Metropolitan Statistical Areas (SMSA's). In 1980, most SMSA's had cities of at least 50,000 population with adjacent areas with at least another 50,000. An SMSA may also consist of a central city which, together with contiguous places (incorporated or unincorporated) having population densities of at least 1,000 persons per square mile, has a combined population of at least 50,000 and constitutes, for general economic and social purposes, a single community.

In Montana there are two SMSA's of this latter type -- the Great Falls and Billings areas. In the United States, there were 318 SMSA's as of June 1983. (Explanation from U.S. Bureau of the Census, State and Metropolitan Area Data Book, 1982, pp. XV to XXIV.)

¹ Refers to 253 metropolitan statistical areas and 22 consolidated metropolitan statistical areas as defined by U.S. Office of Mgmt. & Budget, 6/30/83.

² Refers to 318 standard metropolitan statistical areas as defined by U.S. Office of Mgmt. & Budget, 6/30/81.

SOURCE: U.S. Bureau of the Census, 1980 Census, Number of Inhabitants, Montana, Statistical Abstract of the U.S., 1984 and forthcoming report.

TABLE I - 15

ESTIMATES OF POPULATION OF METROPOLITAN STATISTICAL AREAS
AND THEIR COMPONENT COUNTIES, MONTANA

JULY 1, 1981 AND 1982

	Billings MSA	Yellow- stone Co.	Great Falls MSA	Cascade Co.	Montana	
					Metro.	NonMetro.
4/1/80 Pop. (census)	108,035	108,035	80,696	80,696	188,731	597,959
7/1/81 Pop.	110,200	110,200	80,100	80,100	190,300	605,600
7/1/82 Pop. (provisional)	113,400	113,400	80,100	80,100	193,400	610,900
7/1/83 Pop. (tentative)	116,800	116,800	80,900	80,900	197,700	617,300
Change, 1980-82 ¹ :						
Number	5,300	5,300	-600	-600	4,700	12,900
Percent	4.9	4.9	-0.8	-0.8	2.5	2.2
Births	4,300	4,300	3,400	3,400	7,800	24,400
Deaths	1,700	1,700	1,400	1,400	3,100	11,900
Net Migration, 1980-82 ² :						
Number	2,700	2,700	-2,700	-2,700	100	500
Percent	2.5	2.5	-3.3	-3.3	(Z)	0.1

(Z) - less than 50 persons or less than 0.05 percent

¹ Births and deaths are based on reported vital statistics from 4/1/80 to 12/31/81 with extrapolations to 6/30/82.² Net migration is the difference between net change and natural change.SOURCE: U.S. Bureau of the Census, Local Population Estimates, Series P-26, February 1984; Census & Economic Information Center, Montana Dept. of Commerce for 1983 estimates.

TABLE I - 16
PERSONS BY ANCESTRY IN MONTANA
1980

Ancestry	Number	Percent
Dutch	7,993	1.0
English	58,456	7.4
French	11,607	1.5
German	108,658	13.8
Greek	763	0.1
Hungarian	1,047	0.1
Irish	40,742	5.2
Italian	6,869	0.9
Norwegian	36,414	4.6
Polish	4,906	0.6
Portugese	320	(Z)
Russian	1,625	0.2
Scottish	8,043	1.0
Swedish	12,198	1.6
Ukranian	570	0.1
Other	72,002	9.2
Multiple Ancestry	311,953	39.6
Not Specified	37,599	4.8
Not Reported	<u>64,925</u>	<u>8.3</u>
TOTAL:	786,690	100.0

(Z) - less than 0.05 percent

SOURCE: U.S. Bureau of the Census, 1980 Summary Tape File 3A, Montana.

TABLE I - 17

MONTANA POPULATION BY RACE
1900 - 1970

	White	Amer. Ind.	Black	Jpn.	Chn.	Flpno.	All Other	Total
<u>1900</u>								
Number	226,283	11,343	1,523	2,441	1,739	0	na	243,329
Percent	93.0	4.7	0.6	1.0	0.7	0.0	na	100.0
<u>1910</u>								
Number	360,580	10,745	1,834	1,585	1,285	*	24	376,053
Percent	95.9	2.9	0.5	0.4	0.3	0.0	(Z)	100.0
<u>1920</u>								
Number	534,260	10,956	1,658	1,074	872	*	69	548,889
Percent	97.3	2.0	0.3	0.2	0.2	0.0	(Z)	100.0
<u>1930</u>								
Number	519,898	14,798	1,256	753	486	295	120	537,606
Percent	96.7	2.8	0.2	0.1	0.1	0.1	(Z)	100.0
<u>1940</u>								
Number	540,468	16,841	1,120	508	258	*	261	559,456
Percent	96.6	3.0	0.2	0.1	(Z)	*	(Z)	100.0
<u>1950</u>								
Number	572,038	16,606	1,232	524	209	*	415	591,024
Percent	96.8	2.8	0.2	0.1	(Z)	*	0.1	100.0
<u>1960</u>								
Number	650,738	21,181	1,467	589	240	253	299	674,767
Percent	96.4	3.1	0.2	0.1	(Z)	(Z)	(Z)	100.0
<u>1970</u>								
Number	663,043	27,130	1,995	574	289	236	1,142	694,409
Percent	95.5	3.9	0.3	0.1	(Z)	(Z)	0.2	100.0

* included with "all other"

(Z) - less than 0.05 percent

SOURCE: U.S. Bureau of the Census, 1970 Census, Characteristics of the Population, Montana, 1973, p. 33.

TABLE I - 18
RESIDENT POPULATION, BY RACE AND SPANISH ORIGIN
1980

Race/Origin	MONTANA		UNITED STATES	
	Number	Percent	Number	Percent
Total	786,690	100.0	6,545,805	100.0
White	740,901	94.2	189,035,012	83.4
Black	1,738	0.2	26,482,349	11.7
American Indian	37,623	4.8	1,478,523	0.7
Chinese	395	0.1	812,178	0.4
Filipino	501	0.1	781,894	0.3
Japanese	803	0.1	716,331	0.3
Asian Indian	154	(Z)	387,223	0.2
Korean	325	(Z)	357,393	0.2
Vietnamese	82	(Z)	245,025	0.1
All Other Races*	4,168	0.5	6,249,877	2.8
Spanish Origin**	10,103	1.3	14,603,683	6.4

* Other races include Eskimo, Aleut, Hawaiian, Guamanian, Samoan, other, and not elsewhere classified.

** Spanish origin can be of any race.

(Z) less than 0.05 percent

SOURCE: U. S. Bureau of the Census, 1980 Census, General Social and Economic Characteristics, U.S. Summary, 1983, pp. 279 and 280.

TABLE I - 19

GENERAL AND SELECTED SOCIAL CHARACTERISTICS
FOR THE TOTAL AND AMERICAN INDIAN PERSONS
ON RESERVATIONS, 1980

Reservation	Total Persons	American Indian									
		Total Persons	Percent of Total Persons	Male	Female	Under 5 Years	5-17 Years	18-64 Years	65 Yrs & Over	16 Yrs & Over	Median Age
Blackfeet Reservation, MT	6,660	5,080	76.3	2,460	2,620	681	1,497	2,551	351	3,154	21.2
Glacier County (pt.)	6,039	4,555	75.4	2,189	2,366	613	1,316	2,299	327	2,846	21.5
Pondera County (pt.)	621	525	84.5	271	254	68	181	252	24	308	19.0
Crow Reservation, MT	5,973	3,953	66.2	1,930	2,023	546	1,243	2,001	163	2,416	20.1
Big Horn County (pt.)	5,637	3,839	68.1	1,873	1,966	533	1,195	1,949	162	2,350	20.2
Yellowstone County (pt.)	336	114	33.9	57	57	13	48	52	1	66	17.4
Flathead Reservation, MT	19,628	3,771	19.2	1,985	1,786	412	1,157	1,992	210	2,444	21.1
Flathead County (pt.)	30	4	13.3
Lake County (pt.)	17,058	3,140	18.4	1,646	1,494	349	965	1,658	168	2,036	20.7
Missoula County (pt.)	653	283	43.3	153	130	26	100	142	15	172	20.9
Sanders County (pt.)	1,887	344	18.2	183	161	37	92	188	27	232	25.7
Belknap Reservation, MT	2,060	1,870	90.8	963	907	238	622	910	100	1,123	19.6
Blaine County (pt.)	1,854	1,711	92.3	878	833	224	572	830	85	1,017	19.4
Phillips County (pt.)	206	159	77.2	85	74	14	50	80	15	106	23.8
Ft. Peck Reservation, MT	9,921	4,273	43.1	2,092	2,181	599	1,381	2,086	207	2,539	19.7
Daniels County (pt.)	126	-	-	-	-	-	-	-	-	-	-
Roosevelt County (pt.)	8,333	3,795	45.5	1,848	1,947	529	1,215	1,866	185	2,264	19.9
Sheridan County (pt.)	179	-	-	-	-	-	-	-	-	-	-
Valley County (pt.)	1,283	478	37.3	244	234	70	166	220	22	275	18.2
Northern Cheyenne Reservation, MT	3,664	3,101	84.6	1,533	1,568	467	1,079	1,452	103	1,709	18.1
Big Horn County (pt.)	1,013	822	81.1	396	426	128	284	382	28	449	18.0
Rosebud County (pt.)	2,651	2,279	86.0	1,137	1,142	339	795	1,070	75	1,260	18.1
Rocky Boy's Reservation, MT	1,650	1,549	93.9	758	791	213	575	695	66	864	17.7
Chouteau County (pt.)	139	129	92.8	58	71	16	44	63	6	79	19.8
Hill County (pt.)	1,511	1,420	94.0	700	720	197	531	632	60	785	17.6
Other reservation lands in MT*	8	1	12.5
Big Horn County (pt.)	8	1	12.5

* Includes land in Big Horn County, Montana identified as belonging to both the Crow and Northern Cheyenne Reservations.

TABLE 1 - 19
(cont.)

Reservation	American Indian									
	Families			Persons 5 yrs & over			Civilians 16-19 yrs			Children ever born per 1,000 Women 35-44 Yrs
	Married Couple	Householder no Hub. Present	Female	Persons Per Household	% who speak Language Other than Engl. at home	Enrolled in School, not High Sch. Graduates	% w/own Childm Under 6 Yrs	Persons under 18 - % Living w/ 2 Parents	Families-	
Blackfeet Reservation, MT	777	249		3.99	13.6	26.9	33.2	63.5		4,280
Glacier County (pt.)	700	231		3.89	11.8	29.6	33.4	61.0		4,030
Pondera County (pt.)	77	18		5.07	28.7	8.6	30.5	81.6		5,556
Crow Reservation, MT	540	167		4.95	77.0	17.5	33.1	63.3		4,229
Big Horn County (pt.)	521	164		4.96	77.9	18.3	34.0	62.5		4,159
Yellowstone County (pt.)	19	3		4.74	43.2	-	-	92.5		5,000
Flathead Reservation, MT	573	209		3.50	17.8	12.1	30.7	51.9		4,306
Flathead County (pt.)	-	-	-	-		-
Lake County (pt.)	457	185		3.50	18.4	12.7	32.2	50.4		4,376
Missoula County (pt.)	45	13		4.03	14.9	-	8.5	60.9		3,909
Sanders County (pt.)	69	11		3.18	-	-	47.8	100.0		-
Belknap Reservation, MT	235	112		4.32	4.8	37.7	30.3	59.3		5,429
Blaine County (pt.)	205	107		4.38	4.4	37.7	32.5	59.0		5,820
Phillips County (pt.)	30	-		3.73	12.9	-	-	68.0		-
Ft. Peck Reservation, MT	518	251		4.06	17.8	49.8	36.3	53.6		4,860
Daniels County (pt.)	-	-		-	-	-	-	-		-
Roosevelt County (pt.)	457	231		3.98	17.6	55.5	36.8	52.8		4,566
Sheridan County (pt.)	-	-		-	-	-	-	-		-
Valley County (pt.)	61	20		4.71	19.7	14.0	32.0	58.5		6,469
Northern Cheyenne Reservation, MT	406	172		4.25	44.3	20.0	43.1	53.4		4,500
Big Horn County (pt.)	121	41		4.39	36.5	12.1	40.9	78.6		3,267
Rosebud County (pt.)	285	131		4.20	46.9	22.2	43.9	45.5		5,039
Rocky Boy's Reservation, MT	207	73		4.98	53.4	26.1	44.1	74.3		5,452
Chouteau County (pt.)	21	3		4.23	-	34.8	30.8	88.9		3,545
Hill County (pt.)	186	70		5.06	59.4	24.8	45.7	73.0		5,790
Other reservation lands in MT*	-	-	-	-		-
Big Horn County (pt.)	-	-	-	-		-

* Includes land in Big Horn County identified as belonging to both the Crow and Northern Cheyenne Reservations.

A dash "-" represents zero or a percent which rounds to less than 0.1.
Three dots "..." mean not applicable, or that the data are being withheld to avoid disclosure of information for individuals.

SOURCE: U.S. Bureau of the Census, 1980 Census, General Population Characteristics, Montana, Table 55; and General Social and Economic Characteristics, Montana, Table 192.

MONTANA BLACKFEET TRIBE SPECIAL CENSUS
POPULATION BY RACE, AGE, SEX, & SPANISH ORIGIN: 1983

Item	Total Population	Indian	White	Black	Pacific Islander	Other	Spanish Origin*
Blackfeet Reservation:	8,851	7,284	1,534	2	11	20	60
Glacier County	8,220	6,728	1,460	2	11	19	58
Pondera County	631	556	74	0	0	1	2
Browning City	1,226	1,102	122	0	0	2	5
Male	4,441	3,622	802	NA	NA	9	28
Female	4,410	3,662	732	NA	NA	11	32
Age Distribution:							
Under 5 Yrs	1,143	1,010	129				11
5 - 9 Yrs	945	823	114				8
10 - 14 Yrs	921	800	119				2
15 - 19 Yrs	867	780	85				5
20 - 24 Yrs	880	776	103				8
25 - 29 Yrs	826	669	153				4
30 - 34 Yrs	678	499	175				6
35 - 39 Yrs	488	360	125				3
40 - 44 Yrs	448	349	98				1
45 - 49 Yrs	394	305	88				2
50 - 54 Yrs	344	253	91				1
55 - 59 Yrs	262	169	92				2
60 - 64 Yrs	239	175	64				4
65 - 69 Yrs	145	111	33				1
70 - 74 Yrs	114	88	25				0
75 - 79 Yrs	59	46	13				2
80 Yrs & Over	98	71	27				0
18 Yrs & Over	5,322	4,188	1,116				39
62 Yrs & Over	553	419	132				5
65 Yrs & Over	416	316	98				3
Median Age	23.2	21.5	31.8				22.0

* Persons of Spanish origin may be of any race.

NOTE: The special census included some other sex, by race, by age and household information not published here.

SOURCE: U.S. Bureau of the Census, Blackfeet Tribe, Montana, Special Census, October 24, 1983.

TABLE I - 21

MONTANA BLACKFEET TRIBE SPECIAL CENSUS
HOUSING UNITS BY RACE & SPANISH ORIGIN: 1983

Item	Total	Indian	White	Spanish Origin*
Total Occupied Housing	2,371	1,826	536	17
Owner-Occupied Housing	1,560	1,182	369	7
Percent Occupied Units	65.8%	64.7%	68.6%	41.2%
Renter-Occupied Housing	811	644	167	10
Percent Occupied Units	34.2%	35.3%	31.2%	58.8%
Persons Per Occupying Unit:	3.6	3.8	2.7	2.7
Owner-Occupied	3.7	4.0	2.9	1.9
Renter-Occupied	3.4	3.6	2.5	3.2

* Persons of Spanish origin may be of any race.

SOURCE: U.S. Bureau of the Census, Blackfeet Tribe, Montana, Special Census, October 24, 1983.

TABLE I - 22
MONTANA HOUSEHOLDS BY SIZE
1980

	Number of Households	Percent of Total
One Person	66,350	23.4
Two Persons	90,517	31.9
Three Persons	46,980	16.6
Four Persons	44,314	15.6
Five or More Persons	35,581	12.5

SOURCE: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Montana.

TABLE I - 23
MONTANA HOUSEHOLDS BY TYPE

	1960	1970	1980
Married Couple Households	150,263	152,374	178,606
One-Person Households	33,987	43,037	66,350

SOURCE: U.S. Bureau of the Census, Census of Population & Housing: 1980 & 1970, Computer Tapes; 1960, V.1, Pt. 28.

TABLE I - 24
MONTANA HOUSEHOLDS* AND FAMILIES**
BY TYPE

1980 AND 1970

Item	1970	1980	Percent Change 1970-1980
Number of Households	217,304	283,742	30.6
w/Persons 60 Yrs. & Over	NA	81,675	NA
Number of One-Person Households	43,037	66,350	54.2
w/Householder 60 Yrs. & Over	NA	31,108	NA
Persons per Household, MT	3.10	2.70	-12.9
Persons per Household, US	3.14	2.76	
Number of Families	170,093	205,290	20.7
Husband-Wife Families	152,374	178,606	17.2
Families w/Female Head	13,448	20,117	49.6
Persons per Family, MT	3.62	3.24	-10.5
Persons per Family, US	3.58	3.28	8.4

* Household: All persons who occupy a group of rooms or a single room, which constitutes a housing unit when it is occupied as separate living quarters.

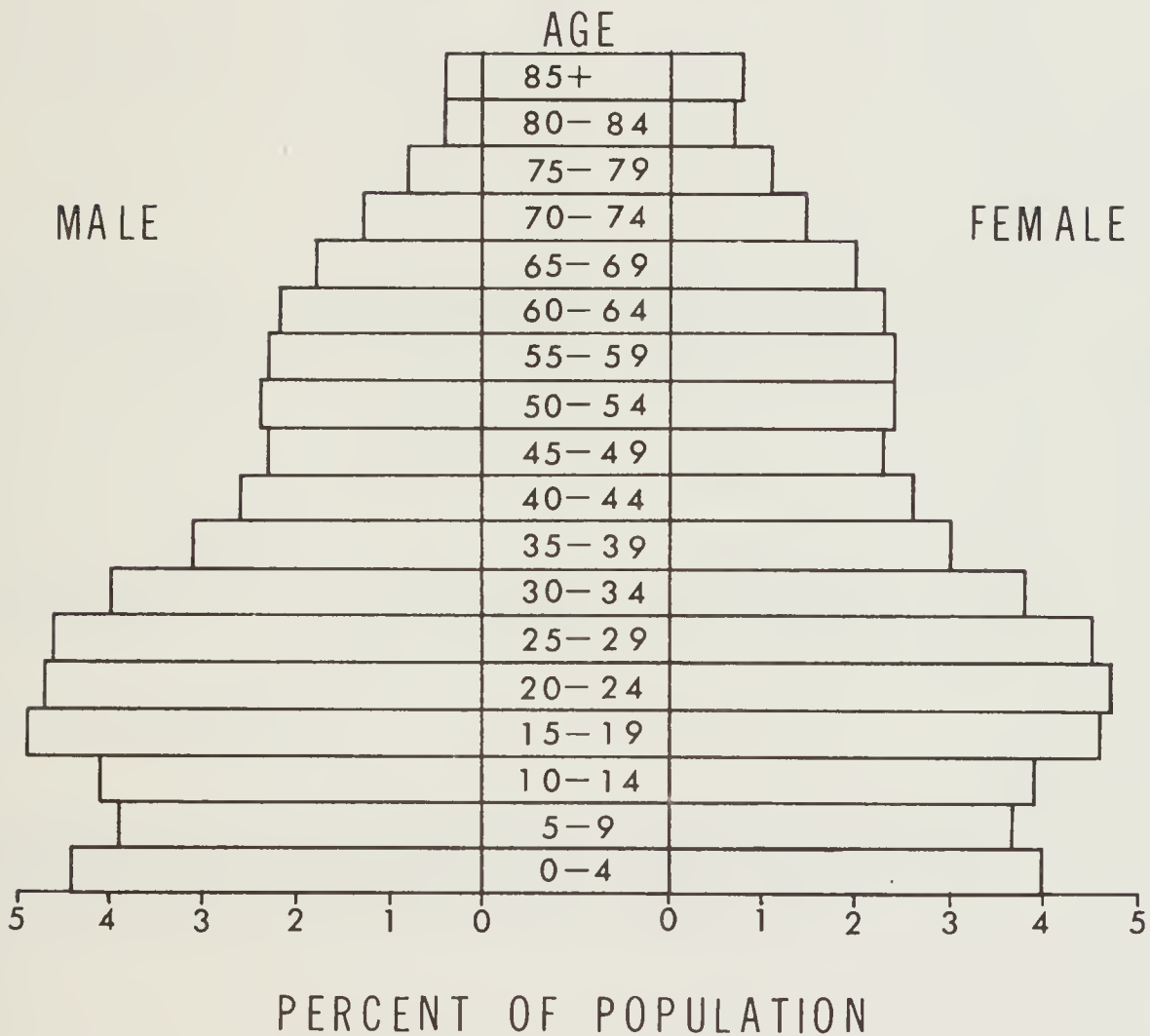
** Family: Household head and one or more persons living in same household who are related to the head.

NA - not available

SOURCE: U.S. Bureau of the Census, Census of Population & Housing, 1970 & 1980, Computer Tapes.

FIGURE I-3

Montana-1980



Source: U.S. Bureau of the Census.

MONTANA POPULATION BY AGE AND SEX
1970 AND 1980SA 34

TABLE I - 26

MONTANA POPULATION BY AGE
1960, 1970, AND 1980

Age Group	1960		1970		1980	
	Number	Percent	Number	Percent	Number	Percent
All Ages	674,767	100.0	694,409	100.0	786,690	100.0
Under 10 Yrs.	160,150	23.7	129,312	18.6	124,693	15.9
10 to 19 Yrs.	117,809	17.5	148,964	21.5	137,161	17.4
20 to 29 Yrs.	78,460	11.6	93,724	13.5	145,534	18.5
30 to 39 Yrs.	84,502	12.5	73,940	10.6	109,454	13.9
40 to 49 Yrs.	83,141	12.3	77,397	11.1	76,688	9.7
50 to 59 Yrs.	61,827	9.2	73,901	10.6	73,920	9.4
60 to 69 Yrs.	46,255	6.9	50,463	7.3	64,290	8.2
70 to 79 Yrs.	33,142	4.9	30,678	4.4	36,841	4.7
80 Yrs. and Over	9,481	1.4	16,030	2.3	18,109	2.3
Median Age	27.6	(X)	27.1	(X)	29.0	(X)

(X) - Not applicable.

SOURCE: U.S. Bureau of the Census, Census of Population: 1970 & 1980,
Computer Tapes; 1960, V.1, Pt.28.

TABLE I - 27

1983 PROVISIONAL ESTIMATES

U.S. & MONTANA AGE DISTRIBUTION OF POPULATION

Age Group	U.S. (Percent)	Montana (Percent)
Under 5	7.6	8.7
5 to 14	14.3	15.3
15 to 24	17.5	16.6
25 to 34	17.2	17.6
35 to 44	12.6	12.4
45 to 54	9.5	9.2
55 to 64	9.5	8.8
65 and Over	11.7	11.4
Total	100.0	100.0

* May not add to exactly 100 percent due to rounding.

SOURCE: U.S. Bureau of the Census, Population Estimates and Projections, Series P-25, No. 951, May, 1984. Percentage calculations by Census and Economic Information Center, Montana Dept. of Commerce.

TABLE I - 28

PROVISIONAL ESTIMATES OF MONTANA POPULATION BY AGE
1981 - 1983

Age Group	1981	1982	1983
Under 5	67,000	69,000	71,000
5 to 14	122,000	123,000	125,000
15 to 24	144,000	140,000	136,000
25 to 34	139,000	141,000	144,000
35 to 44	91,000	96,000	101,000
45 to 54	74,000	74,000	75,000
55 to 64	71,000	71,000	72,000
65 and Over	88,000	90,000	93,000
Total:	796,000	805,000*	817,000

* Does not add up exactly, due to rounding.

SOURCE: U.S. Bureau of the Census, Population Estimates and Projections, Series P-25, May 1984.

TABLE I - 29

PERCENT BORN IN STATE OF RESIDENCE

	1960	1970	1980
United States	66.5	64.8	63.8
Montana	59.7	59.7	56.9

SOURCE: Personal Communication, Population Division, U.S. Bureau of the Census, September 11, 1984.

TABLE I - 30

PLACE OF BIRTH, NATIVE POPULATION^{*}
1970 AND 1980

Group	1970	1980
Total Native Population	674,814	768,371
Born in Montana	403,128	448,342
Born in Different State	243,986	315,900
Percent of Total	36.2	41.1
Born Abroad, at Sea, etc.	5,712	4,129
State of Birth not reported	21,988	...

* persons born in the US, in the Commonwealth of Puerto Rico, in an outlying area of the US, or at sea

SOURCE: U.S. Bureau of the Census, 1980 Census, Computer Tape; 1970, V.1, Pt.28, Montana, Bureau of Records & Statistics, Montana Dept. of Health & Environmental Sciences, Montana Vital Statistics (years indicated)

TABLE I - 31

MONTANA COUNTY POPULATION, HISTORY & PROJECTIONS
(rounded to nearest 100)

County	1960	1970	1980	1990*	2000*
Beaverhead	7,200	8,200	8,200	8,200	8,300
Big Horn	10,000	10,100	11,100	13,400	14,900
Blaine	8,100	6,700	7,000	6,800	6,600
Broadwater	2,800	2,500	3,300	3,300	3,300
Carbon	8,300	7,100	8,100	8,900	9,900
Carter	2,500	2,000	1,800	1,700	1,500
Cascade	73,400	81,800	80,700	86,000	92,100
Chouteau	7,300	6,500	6,100	6,100	5,800
Custer	13,200	12,200	13,100	13,700	14,500
Daniels	3,800	3,100	2,800	2,600	2,300
Dawson	12,300	11,300	11,800	11,900	12,200
Deer Lodge	18,600	15,700	12,500	10,500	9,900
Fallon	4,000	4,100	3,800	3,800	3,800
Fergus	14,000	12,600	13,100	13,300	13,600
Flathead	33,000	39,500	52,000	58,500	65,500
Gallatin	26,000	32,500	42,900	48,800	55,300
Garfield	2,000	1,800	1,700	1,600	1,400
Glacier	11,600	10,800	10,600	11,100	11,600
Golden Valley	1,200	900	1,000	900	900
Granite	3,000	2,700	2,700	2,700	2,700
Hill	18,700	17,400	18,000	19,000	20,100
Jefferson	4,300	5,200	7,000	8,200	9,600
Judith Basin	3,100	2,700	2,600	2,400	2,200
Lake	13,100	14,400	19,100	21,300	23,500
Lewis & Clark	28,000	33,300	43,000	51,100	59,500
Liberty	2,600	2,400	2,300	2,300	2,200
Lincoln	12,500	18,100	17,700	18,300	18,700
McCone	3,300	2,900	2,700	2,500	2,300
Madison	5,200	5,000	5,400	5,700	5,700
Meagher	2,600	2,100	2,200	2,200	2,200
Mineral	3,000	3,000	3,700	3,900	4,100
Missoula	44,700	58,300	76,000	84,800	96,800
Musselshell	4,900	3,700	4,400	4,600	4,600
Park	13,200	11,300	12,900	13,900	14,700
Petroleum	900	700	700	600	500
Phillips	6,000	5,400	5,400	5,300	5,200
Pondera	7,700	6,600	6,700	6,700	6,500
Powder River	2,500	2,900	2,500	2,600	2,600
Powell	7,000	6,700	7,000	7,200	7,500
Prairie	2,300	1,800	1,800	1,700	1,600

TABLE I - 31
(cont.)

County	1960	1970	1980	1990*	2000*
Ravalli	12,300	14,400	22,500	25,400	29,200
Richland	10,500	9,800	12,200	13,300	13,400
Roosevelt	11,700	10,400	10,500	10,800	11,200
Rosebud	6,200	6,000	9,900	12,700	13,200
Sanders	6,900	7,100	8,700	8,900	9,400
Sheridan	6,500	5,800	5,400	5,200	5,000
Silver Bow	46,500	42,000	38,100	35,300	31,700
Stillwater	5,500	4,600	5,600	6,800	6,200
Sweet Grass	3,300	3,000	3,200	3,700	3,600
Teton	7,300	6,100	6,500	6,500	6,400
Toole	7,900	5,800	5,600	5,700	5,700
Treasure	1,300	1,100	1,000	900	800
Valley	17,100	11,500	10,200	9,900	9,800
Wheatland	3,000	2,500	2,400	2,200	2,100
Wibaux	1,700	1,500	1,500	1,500	1,300
Yellowstone	79,000	87,400	108,000	133,000	160,400
State Total:	674,800***	694,400***	786,700	859,900	935,600

* Projection.

** Includes the Montana portion of Yellowstone National Park.

*** Counties do not add to total due to rounding.

The projections presented above were produced primarily by comparing the final county population figure available from the 1980 Census with the 1980 projections produced in 1978. The original projection was then shifted upward or downward, depending on the results of the comparison. Recently announced major plant closings, military installation cut-backs, and new mines were roughly factored into the revisions in a few cases.

Constructing the 1978 county projections involved using an economic-demographic model called MASS (Montana Alternative Simulation System). The use of this model for population projection purposes rests on the principle that employment is the basis for most population migration. Briefly, projections are derived from MASS by first projecting employment for industries within a county that primarily sell products outside the county. These industries are called basic industries. Then, employment in sectors that serve the local (county) population, the so-called non-basic sectors, is projected using a changing ratio of non-basic to basic employment for that county. The two types of employment data are then added together to form total employment. The last step consists of projecting total population based on a changing ratio of population to employment applied to total employment for each county.

A completely new set of projections, produced by a detailed county-by-county analysis using an economic-demographic model like MASS, needs to be completed as soon as possible to account for all new development in Montana. The revised projections presented in this table were produced using a much cruder approach. A refined new set will be produced by funding becomes available.

SOURCE: U.S. Census of Population, 1960, 1970, and 1980; projections derived by Census and Economic Information Center, Montana Dept. of Commerce, September 1981.

TABLE I - 32

MONTANA COUNTY POPULATION AGE 65 & OVER
HISTORY & PROJECTIONS
1960 - 1990
(rounded to nearest 10 persons)

County	1960	1970	1980	1990*
Beaverhead	830	860	990	1,000
Big Horn	740	690	900	1,020
Blaine	860	760	850	800
Broadwater	320	320	410	510
Carbon	1,250	1,230	1,440	1,380
Carter	260	270	270	260
Cascade	5,680	6,470	7,990	9,660
Chouteau	780	730	800	960
Custer	1,560	1,550	1,730	2,160
Daniels	430	450	450	500
Dawson	910	990	1,140	1,410
Deer Lodge	1,880	1,880	1,790	1,820
Fallon	350	360	400	450
Fergus	1,910	1,850	2,110	2,410
Flathead	3,760	4,120	5,380	6,570
Gallatin	2,310	2,620	3,230	4,110
Garfield	220	170	180	230
Glacier	690	830	980	1,170
Golden Valley	180	150	150	170
Granite	330	300	390	510
Hill	1,530	1,460	1,680	1,910
Jefferson	420	470	620	700
Judith Basin	320	360	390	340
Lake	1,750	1,950	2,620	3,280
Lewis & Clark	2,880	3,300	4,120	5,700
Liberty	160	180	260	380
Lincoln	920	990	1,420	1,970
McCone	330	290	280	430
Madison	700	730	890	950
Meagher	290	240	280	290
Mineral	220	230	330	400
Missoula	4,090	4,510	6,140	7,920
Musselshell	700	610	700	850
Park**	1,560	1,650	1,860	1,950
Petroleum	100	50	70	60
Phillips	800	720	730	750
Pondera	640	670	850	870
Powder River	240	230	250	310

TABLE I - 32
(cont.)

County	1960	1970	1980	1990 [*]
Powell	690	660	790	890
Prairie	260	240	330	340
Ravalli	1,800	2,150	2,990	3,590
Richland	1,110	1,030	1,250	1,370
Roosevelt	1,100	990	1,060	1,210
Rosebud	640	610	590	830
Sanders	910	950	1,180	1,430
Sheridan	780	680	840	970
Silver Bow	5,090	4,980	5,690	5,670
Stillwater	660	680	890	1,040
Sweet Grass	500	490	610	630
Teton	730	760	940	1,020
Toole	620	590	660	780
Treasure	120	110	130	110
Valley	1,110	1,000	1,160	1,230
Wheatland	410	340	370	350
Wibaux	190	180	200	210
Yellowstone	5,830	7,060	9,840	13,230
State Total ^{***}	65,420	68,740	84,560	101,060

* Projection.

** Includes the Montana portion of Yellowstone National Park.

*** Counties may not add to total due to rounding.

SOURCES: U.S. Census of Population 1960, 1970, and 1980; projections derived by the Census and Information Center, Montana Dept. of Commerce, September 1984.

CHAPTER II

VITAL STATISTICS

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TABLE II - 1
DEATHS PER 1,000 POPULATION
1960 - 80

	1960	1965	1970	1975	1978	1980
United States	9.5	9.4	9.5	8.9	8.8	8.8
Montana	9.7	9.3	9.5	8.7	8.3	8.5
Idaho	8.1	8.6	8.6	7.9	7.4	7.2
Wyoming	8.5	8.3	8.8	8.2	7.3	6.9

SOURCE: National Center for Health Statistics, Vital Statistics of the United States, annual; and unpublished data.

TABLE II - 2
MONTANA & U.S. LIFE EXPECTANCY IN YEARS
(based on deaths 1969 - 1971)

Group	United States	Montana
All Races:		
Both Sexes	70.8	70.6
Males	67.0	66.7
Females	74.6	75.1
Whites:		
Both Sexes	71.6	71.0
Males	67.9	67.2
Females	75.5	75.6

SOURCE: Vital Records & Statistics Bureau, Montana Department of Health & Environmental Sciences, personal communication, January 1985, and National Center for Health Statistics, U.S. Dept. of Health & Human Services.

TABLE II - 3

MONTANA LIVE BIRTHS, DEATHS, MARRIAGES & MARITAL TERMINATIONS, 1960 - 1981
(Births & Deaths by Residence; Marriages & Marital Terminations by Occurrence)

Year	Number of Live Births	Out-of- Wedlock Births per 1,000 Live Births	Number of Deaths	Number of Infant Deaths	Number of Marriages Solemnized	Number of Marital Terminations
1960	17,448	32.3	6,525	421	5,883	2,003
1970	12,622	95.1	6,597	272	6,919	3,051
1971	12,347	94.9	6,860	267	7,128	3,366
1972	11,444	110.0	6,896	225	7,674	3,609
1973	11,392	99.6	6,870	222	7,751	3,772
1974	12,273	97.9	6,552	202	7,741	3,940
1975	12,070	101.0	6,539	187	7,331	4,286
1976	12,605	102.6	6,733	209	7,390	4,850
1977	13,304	110.4	6,397	183	7,547	4,813
1978	13,545	120.3	6,484	155	8,136	4,877
1979	14,057	113.5	6,471	151	8,195	5,106
1980	14,208	125.0	6,664	176	8,336	4,940
1981	14,309	132.9	6,709	153	8,209	5,004

SOURCE: U.S. Bureau of the Census, 1980 Census, Computer Tape; 1970, V.1, Pt.28, Bureau of Records & Statistics, Montana Dept. of Health & Environmental Sciences, Montana Vital Statistics (annual).

MONTANA DEATHS & DEATH RATES BY FOUR LEADING CAUSES*, 1971 - 1981
(Rates per 1,000 resident population as of 4/1/80 and 7/1, other yrs.)

Year	Heart Disease		Cancer		Cardiovascular Disease (Stroke)		Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1971	2,339	329.4	1,050	147.9	796	112.1	609	85.8
1972	2,294	319.1	1,122	156.1	743	103.3	635	88.3
1973	2,300	319.0	1,061	147.2	711	98.6	611	84.7
1974	2,202	299.6	1,130	153.7	670	91.2	559	76.1
1975	2,178	291.2	1,105	147.7	660	88.2	584	78.1
1976	2,178	289.2	1,191	158.2	637	84.6	579	76.9
1977	2,149	282.4	1,184	155.6	576	75.7	574	75.4
1978	2,169	276.3	1,233	157.1	559	71.2	558	71.1
1979	2,302	292.9	1,240	157.8	588	74.8	596	75.8
1980	2,332	296.4	1,291	164.1	557	70.8	570	72.5
1981	2,279	287.4	1,343	169.4	549	69.2	553	69.7

* Four leading causes shown represent experience of entire state; an individual county may have other causes of death which should appear among the top four.

SOURCE: Bureau of Records & Statistics, Montana Dept. of Health & Environmental Sciences, Montana Vital Statistics (annual).

TABLE II - 5

MONTANA MARITAL STATUS, PERSONS 15 YRS OLD & OVER
BY SEX, BY AGE: 1980

Group	Age 15+	15-24 Yrs	25-34 Yrs	35-59 Yrs	60 Yrs & Over
<u>Male:</u>					
Total Persons	296,779	75,765	67,580	99,437	53,997
Never Married	86,402	61,829	14,726	5,808	4,039
Married, Except Separated	183,696	12,524	46,390	83,712	41,070
Separated	2,511	320	758	955	478
Widowed	6,583	32	113	983	5,455
Divorced	17,587	1,060	5,593	7,979	2,955
<u>Female:</u>					
Total Persons	302,679	72,875	65,345	99,216	65,243
Never Married	61,506	48,964	7,473	2,642	2,427
Married, Except Separated	183,367	20,942	50,021	81,151	31,253
Separated	3,091	612	939	1,176	364
Widowed	33,921	133	460	5,126	28,202
Divorced	20,794	2,224	6,452	9,121	2,997

SOURCE: U.S. Bureau of the Census, 1980 Census, Computer Tape

CHAPTER III

EMPLOYMENT

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MONTANA CIVILIAN LABOR FORCE
STATE SUMMARY, 1970 & 1980

Persons 16 Yrs. & Over	Employed		Unemployed	
	1970	1980	1970	1980
Total Labor Force	266,395	362,656		
Civilian Labor Force (CLF)	260,649	357,846		
Total Employed CLF	244,608	328,316	16,041	29,530
<u>Employed Civilian Labor Force:</u>				
<u>White:</u>				
Total	238,669	315,678	14,805	26,635
16-24 Yrs	43,159	67,373	6,496	10,308
25-54 Yrs	147,847	200,760	6,454	13,932
55 & Over	47,663	47,545	1,855	2,395
<u>Black:</u>				
Total	443	461	24	59
16-24 Yrs	208	99	8	9
25-54 Yrs	181	316	16	44
55 & Over	54	46	0	6
<u>Native American:</u>				
Total	(NA)	9,997	(NA)	2,541
16-24 Yrs		2,516		1,131
25-54 Yrs		6,435		1,313
55 & Over		1,046		97
<u>Asian & Pacific Islander:</u>				
Total	(NA)	974	(NA)	1,541
16-24 Yrs		254		1,131
25-54 Yrs		599		1,313
55 & Over		121		0
<u>Other Races:</u>				
Total	(NA)	1,206	(NA)	183
16-24 Yrs		348		73
25-54 Yrs		720		93
55 & Over		138		17

TABLE III - 1
(cont.)

Persons 16 Yrs. & Over	Employed		Unemployed	
	1970	1980	1970	1980
* Spanish Origin:				
Total	2,252	3,367	129	436
16-24 Yrs	486	980	60	215
25-54 Yrs	1,517	2,054	61	199
55 & Over	249	333	8	22
Total Female Labor Force	91,669	145,076		
Female Civilian Labor Force	91,578	144,703		
Total Employed Female CLF	85,337	134,784	6,241	9,919
Employed Female Civilian Labor Force				
White:				
Total	83,209	128,896	5,814	8,893
16-24 Yrs	18,456	31,722	2,921	3,896
25-54 Yrs	48,898	79,952	2,429	4,315
55 & Over	15,855	17,222	464	682
Black:				
Total	149	188	18	22
16-24 Yrs	35	47	8	9
25-54 Yrs	94	123	10	7
55 & Over	20	18	0	6
Native American:				
Total	(NA)	4,685	(NA)	888
16-24 Yrs		1,227		468
25-54 Yrs		3,028		404
55 & Over		430		16
Asian & Pacific Islander:				
Total	(NA)	456	(NA)	53
16-24 Yrs		96		15
25-54 Yrs		320		38
55 & Over		40		0

Persons 16 Yrs. & Over	Employed		Unemployed	
	1970	1980	1970	1980
Other Races:				
Total				
16-24 Yrs	(NA)	559	(NA)	63
25-54 Yrs		203		32
55 & Over		297		31
		59		0
Spanish Origin: *				
Total				
16-24 Yrs	705	1,508	75	141
25-54 Yrs	195	475	27	89
55 & Over	478	901	48	52
	32	132	0	0

* NOTE: Persons of Spanish origin may be of any race. Unemployment: The U.S. Department of Labor defines unemployment in the following way: "Unemployed persons comprise all civilians who had no employment during the reference week, who made specific efforts to find a job within the previous four weeks (such as applying directly to an employer, or to a public employment service, or checking with friends) and who were available for work during that week. Persons on layoff from a job or waiting to report to a new job within 30 days are also classified as unemployed." (U.S. Bureau of the Census, Statistical Abstract of the United States, 1984, pp. 401-402.) Thus persons who have given up looking for a job, "discouraged workers," because they believe they will not succeed in finding employment are not counted as unemployed, and are also not counted as being in the labor force.

SOURCE: U.S. Bureau of the Census, 1970 Census, Characteristics of the Population, Montana and 1980 Census, Summary Tape File 4B.

TABLE III - 2

MONTANA LABOR FORCE STATUS, PERSONS 16 YRS & OVER
1970 AND 1980

Group	1970	1980
Total Persons 16 Yrs & Over	470,772	585,375
Total Labor Force	266,395	362,656
Civilian Labor Force:		
Number Employed	244,608	328,316
Number Unemployed	16,041	29,530
Percent Unemployed	6.2	8.3
Total Females 16 Yrs & Over	237,723	296,136
Female Labor Force	91,669	145,076
Female Civilian Labor Force:		
Number Employed	85,337	134,784
Number Unemployed	6,241	9,919
Percent Unemployed	6.8	6.9

SOURCE: U.S. Bureau of the Census, Census of Population: 1970 & 1980,
Computer Tapes.

TABLE III - 3

* DISABILITY STATUS, NONINSTITUTIONAL PERSONS 16-64 YRS, MONTANA

Group	1980
Total Persons	497,946
Total Persons in Labor Force	19,022
Total Persons with Work Disability Not in Labor Force:	
Prevented from Working	16,115
Not Prevented from Working	5,378
Total Persons with No Work Disability	457,431
Total Persons with Public Transportation Disability	5,080
Total Persons with No Public Transportation Disability	492,866

* a serious "health" condition that has lasted 6 months or more

SOURCE: U.S. Bureau of the Census, Census of Population: 1980, Computer Tape.

TABLE III - 4

UNEMPLOYMENT IN MONTANA: 1930 - 1980
(Percent of Labor Force)

Year	Percent
1930	7.4
1933	21.8
1940	17.6
1950	5.1
1960	6.7
1970	4.3
1980	6.1

NOTE: There was no official unemployment data compiled for Montana during the 1930's. The 1933 unemployment rate of 21.8 percent above was estimated by the Montana Dept. of Labor and Industry. All of the other unemployment rates come from the U.S. Bureau of the Census.

SOURCE: Research & Analysis Bureau, Montana Dept. of Labor & Industry, December 7, 1983 and U.S. Bureau of the Census, Census of Population, Montana, years indicated.

FIGURE III-1

Montana
Civilian Labor Force
1957-1983

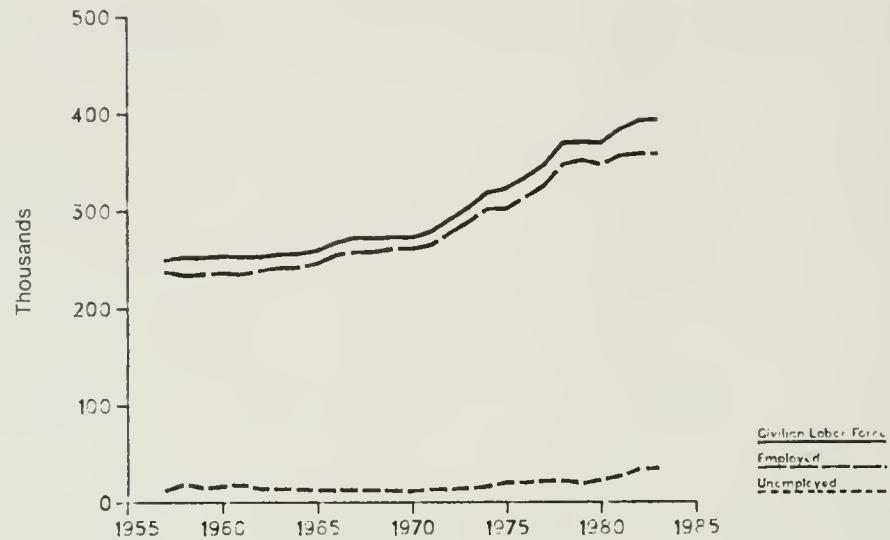


FIGURE III-2

Unemployment Rate
1957-1983



Source: Research and Analysis Bureau, Montana Department of Labor and Industry.

TABLE III - 5

MONTANA CIVILIAN LABOR FORCE (CLF) & UNEMPLOYMENT
1957 - 1983
(in thousands)

Year	CLF	Unemployment	Percent Unemployed
1957	250.2	13.0	5.2
1958	252.5	19.3	7.6
1959	252.4	14.9	5.9
1960	253.9	17.0	6.7
1961	252.9	18.4	7.3
1962	253.2	13.9	5.5
1963	255.9	13.8	5.4
1964	256.4	13.7	5.3
1965	259.7	13.0	5.0
1966	267.9	12.7	4.7
1967	272.9	13.0	4.8
1968	271.9	12.8	4.7
1969	273.5	12.1	4.4
1970	273.0	11.8	4.3
1971	278.5	13.5	4.8
1972	291.2	13.9	4.8
1973	303.2	14.6	4.8
1974	318.6	16.7	5.2
1975	322.6	20.6	6.4
1976	334.0	20.0	6.1
1977	347.0	22.0	6.4
1978	370.0	22.0	6.0
1979	371.0	19.0	5.1
1980	370.0	23.0	6.1
1981	384.0	27.0	6.9
1982	393.0	34.0	8.6
1983	394.0	35.0	8.8

SOURCE: Research & Analysis Bureau, Montana Dept. of Labor & Industry

TABLE III - 6

MONTANA HOUSEHOLDER LABOR FORCE PARTICIPATION
& UNEMPLOYMENT RATES, 1980

Type of Householder	Labor Force Participation		Unemployment Rate	
	Total	Indian	Total	Indian
Family households	79.5%	70.5%	6.2%	15.1%
Married couple households				
with female head	51.7%	54.1%	4.7%	12.0%
with male head	81.8%	77.4%	6.2%	15.7%
Female householder	66.0%	57.2%	8.1%	16.2%
without children under 18	49.3%	44.5%	5.3%	15.2%
with children age 6-17	80.5%	70.5%	6.5%	13.0%
with children under 6	64.4%	53.4%	14.9%	21.9%
Male householder, no wife present	78.6%	71.8%	8.7%	7.1%

SOURCE: U.S. Bureau of the Census, 1980 Census, General Social and Economic Characteristics, Montana, 1983.

TABLE III - 7

AVERAGE UNEMPLOYMENT RATES, 1976-82

	United States	Montana	Idaho	Wyoming
1976	7.7	6.1	5.7	4.1
1977	7.0	6.4	5.9	3.6
1978	6.0	6.0	5.7	3.3
1979	5.8	5.1	5.7	2.8
1980	7.1	6.0	7.9	3.9
1981	7.6	6.9	7.6	4.1
1982	9.7	8.6	9.8	5.8
1983	9.6	8.8	9.8	8.4

SOURCE: U.S. Bureau of Labor Statistics, "Local Area Unemployment Statistics," unpublished, and U.S. Bureau of the Census, Statistical Abstract of U.S., 1984, p. 391.

TABLE III - 8

MONTANA CIVILIAN LABOR FORCE (CLF) STATUS
BY TYPE OF HOUSEHOLDER & RACE, 1980

Group	Total	White	Indian
Family Householders	207,510	198,325	7,575
Female Householders	19,952	17,649	2,097
CLF	13,133	11,828	1,192
with own children, less than 18 yrs	9,764	8,771	915
with own children, less than 6 yrs	2,999	2,616	360
Employed	12,069	10,964	999
Unemployed	1,064	864	193
Male Householders, no wife present	6,201	5,632	507
CLF	4,864	4,442	364
Employed	4,440	4,055	338
Unemployed	424	387	26
Non-Family Households	77,497	75,212	1,645
Male Householders	35,602	34,302	916
CLF	25,664	24,787	639
Employed	22,836	22,118	509
Unemployed	2,828	2,669	130
Female Householders	41,895	40,910	292
CLF	19,174	18,744	290
Employed	18,308	17,916	276
Unemployed	866	828	14
Married Couple Householders	181,357	176,622	4,971
Male Householders	176,448	170,467	4,679
CLF	141,824	137,301	3,605
Employed	133,071	129,197	3,039
Unemployed	8,753	8,104	566
Female Householders	4,909	4,577	292
CLF	2,530	2,362	158
Employed	2,411	2,262	139
Unemployed	119	100	19

Householder: - The person or one of the persons in whose name the home was owned or rented. A family householder is a householder living with one or more persons related to him or her by birth, marriage, or adoption.

SOURCE: U.S. Bureau of the Census, 1980 Census, Detailed Population Characteristics, Montana.

TABLE III - 9

MONTANA CIVILIAN LABOR FORCE (CLF) STATUS
BY FAMILY TYPE & RACE, 1970

Group	Total	White	Black	Spanish Language
All Family Heads	171,812	166,588	337	1,632
Female Head	13,791	12,673	23	99
CLF	7,744	7,343	13	46
Employed	7,276	6,948	13	46
Unemployed	468	395	0	0
w/related chldrn under 18 yrs	9,283	8,360	21	83
w/related chldrn under 6 yrs	3,542	3,032	4	39
Male Head	158,021	153,915	314	1,533
Under 65 yrs	136,921	133,237	294	1,436
CLF	124,765	121,927	101	1,223
Employed	120,122	117,710	95	1,187
Unemployed	4,643	4,217	6	36
Married, wife present	132,780	129,266	294	1,422
CLF	121,185	118,451	101	1,209
Employed	116,700	114,373	95	1,173
Unemployed	4,485	4,078	6	36
Wife in paid labor force	48,117	46,936	106	441
CLF	43,988	43,004	49	387
Employed	42,523	41,652	43	380
Unemployed	1,465	1,352	6	7
w/related chldrn under 6 yrs	10,496	9,936	50	161

Spanish Language: Those persons who in 1970 reported Spanish as their mother tongue, as well as persons in families in which the household head or spouse reported Spanish as his or her mother tongue.

SOURCE: U.S. Bureau of the Census, 1970 Census, Detailed Population Characteristics.

TABLE III - 10

MONTANA: REASON NOT IN LABOR FORCE, 1983
(thousands)

Group	Total Not in Labor Force	REASON NOT IN LABOR FORCE			
		Keeping House	Attending School	Unable to Work	Other
Both Sexes:					
16-24 Yrs	39.7	10.7	22.9	0.0	6.1
25-54 Yrs	61.4	46.3	2.5	1.4	11.2
55-65 Yrs	28.4	15.6	0.0	1.6	11.2
65 Yrs & Over	71.1	30.0	0.1	1.2	39.8
Females:					
16-24 Yrs	25.9	10.7	11.7	0.0	3.6
25-54 Yrs	52.4	46.2	1.2	0.2	4.8
55-65 Yrs	19.6	15.4	0.0	0.4	3.8
65 Yrs & Over	41.3	29.8	0.0	0.4	11.1
MARITAL STATUS:					
Both Sexes:					
Married, Spouse Present	126.7	79.7	2.2	2.7	42.2
Single, Never Married	35.1	2.9	22.5	0.2	9.5
*Other Marital Status	39.0	20.1	0.8	1.2	16.8
Head w/Other Relatives	42.9	5.4	1.3	2.4	33.8
Females:					
Married, Spouse Present	91.4	79.4	0.9	0.5	10.5
Single, Never Married	17.7	2.9	11.3	0.1	3.5
*Other Marital Status	30.2	19.9	0.6	0.4	9.3
Head w/Other Relatives	6.9	5.0	0.3	0.1	1.5

* Includes divorced, widowed, separated, and married with spouse absent.

SOURCE: U.S. Bureau of Labor Statistics, Current Population Survey, household data, annual averages, 1983.

TABLE III - 11

MONTANA FULL- OR PART-TIME STATUS OF CIVILIAN LABOR FORCE
BY REASON FOR PART-TIME, 1983
(thousands)

Group	Full-Time Labor Force Total	Usually Work Part Time				
		Total	Slack Work or Only Find PT	Does Not Want* FT	Full-Time Work, Under 35 hrs	Other
Males:						
16 Yrs & Over	213.4	21.9	7.0	12.0	0.8	2.1
16-19 Yrs	7.2	7.5	1.8	5.4	0.0	0.2
20 Yrs & Over	206.2	14.4	5.2	6.6	0.8	1.8
Females:						
16 Yrs & Over	117.6	49.6	11.6	31.9	2.3	3.7
16-19 Yrs	7.0	7.0	1.9	4.7	0.2	0.1
20 Yrs & Over	110.6	42.6	9.6	27.2	2.1	3.6

* Does not want, or unavailable for, full-time work.

SOURCE: U.S. Bureau of Labor Statistics, Current Population Survey, household data, annual averages, 1983.

TABLE III - 12

MONTANA UNEMPLOYED PERSONS BY DURATION OF EMPLOYMENT, 1983
(thousands)

	Total Number Unemployed	NUMBER UNEMPLOYED BY NUMBER OF WEEKS					Average Duration in Wks.
		0-4	5-14	15-26	27-51	52+	
Both Sexes:							
16 Yrs & Over	34.9	12.5	11.8	5.4	2.2	2.9	14.0
16-19 Yrs	4.0	2.1	1.2	0.5	0.1	0.2	6.5
20 Yrs & Over	30.8	10.4	10.6	5.0	2.1	2.7	15.0
Males:							
16 Yrs & Over	21.1	7.4	7.0	3.1	1.4	2.1	15.5
16-19 Yrs	1.9	0.9	0.5	0.3	0.1	0.1	8.5
20 Yrs & Over	19.2	6.5	6.5	2.9	1.3	2.0	16.2
Females:							
16 Yrs & Over	13.8	5.2	4.8	2.3	0.8	0.7	11.7
16-19 Yrs	2.1	1.2	0.7	0.2	0.0	0.0	4.7
20 Yrs & Over	11.7	4.0	4.1	2.1	0.8	0.7	13.0

SOURCE: U.S. Bureau of Labor Statistics, Current Population Survey, household data, annual averages, 1983.

TABLE III - 13

LABOR UNION MEMBERSHIP
(thousands)

	1972	1978	1980	% of Non- Agricultural Employment	
				1972	1980
United States	19,780	20,459	22,811	26.9	25.2
Montana	65	67	82	30.2	29.2
Idaho	39	47	61	16.5	18.4
Wyoming	22	28	39	18.8	18.9

SOURCE: U.S. Bureau of the Census, State & Metropolitan Area Data Book, 1982, p. 502.

TABLE III - 14

OCCUPATIONAL MAKE-UP OF EMPLOYED PERSONS, 1980

Group	U.S.		Montana		Idaho		Wyoming	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<u>Employed Persons over 16</u>	97,631,061	100.0	329,446	100.0	380,091	100.0	215,486	100.0
<u>Managerial & Professional Specialty Occupations:</u>	22,320,683	22.9	76,010	22.1	83,379	21.9	46,865	21.8
Executive, Administrative, & Managerial	10,196,035		34,423		40,598		21,647	
Professional Specialty	12,124,650		41,587		42,781		25,218	
<u>Technical, Sales, & Admin. Support Occupations:</u>	29,464,636	30.2	92,291	28.0	101,622	26.7	53,158	24.7
Technicians & Related Support	3,013,725		7,898		11,662		5,865	
Sales	9,727,163		33,950		36,517		17,902	
Administrative Support, Including Clerical	16,723,748		50,443		53,443		29,391	
<u>Service Occupations:</u>	12,680,181	13.0	47,778	14.5	48,483	12.8	26,915	12.5
Private Household	563,644		1,394		1,729		710	
Protective Service	1,473,088		3,845		5,146		2,666	
Service, Except Protective & Household	10,643,399		42,539		41,608		23,539	
<u>Farming, Forestry & Fishing</u>	2,758,089	2.8	27,557	8.4	37,431	9.9	10,706	5.0
<u>Precision Production, Craft & Repair</u>	12,515,360	12.8	40,385	12.3	48,304	12.7	41,882	19.4
<u>Operators, Fabricators & Laborers:</u>	17,892,160	18.3	45,425	13.8	60,872	16.0	36,020	16.7
Machine Operators, Assemblers, & Inspectors	9,120,394		12,543		23,270		8,681	
Transportation & Material Moving	4,359,494		17,251		19,767		16,794	
Handlers, Equipment Cleaners, Helpers, & Laborers	4,412,272		15,631		17,835		10,545	

SOURCE: U.S. Bureau of the Census, 1980 Provisional Estimates of Social, Economic, and Housing Characteristics, pp. 24-30.

TABLE III - 15

MONTANA DISTRIBUTION OF EMPLOYMENT
BY OCCUPATION, BY SEX: 1982 & 1983
(Persons age 16 & over)

Group	1982		1983	
	Men	Women	Men	Women
Total Employment	211,000	147,000	210,000	149,000
Percent	100.0%	100.0%	100.0%	100.0%
White Collar Workers:				
Total	39.5%	67.1%	37.6%	65.7%
Professional & Technical	13.5%	16.3%	12.1%	16.6%
Managers & Administrators, except Farm*	14.5%	8.7%	10.7%	8.1%
Sales Workers	6.9%	6.4%	11.8%	13.1%
Clerical Workers	4.5%	35.7%	3.0%	27.9%
Blue Collar Workers:				
Total	41.0%	6.4%	39.5%	5.8%
Craft & Kindred Workers	20.8%	1.6%	20.9%	1.0%
Operatives, except Transport	8.2%	2.4%	3.5%	2.8%
Transport Equipment Operatives	5.8%	0.6%	9.5%	0.5%
Non-Farm Laborers	6.3%	1.8%	5.6%	1.5%
Service Workers	7.0%	22.6%	8.2%	23.6%
Farm Workers	12.6%	3.9%	14.8%	5.0%

* NOTE: The large increase in the percentage of sales workers is the result of a Bureau of Labor Statistics (BSL) definitional change.

SOURCE: U.S. Bureau of Labor Statistics, Current Population Survey, household data, annual averages, 1982 & 1983.

TABLE III - 16

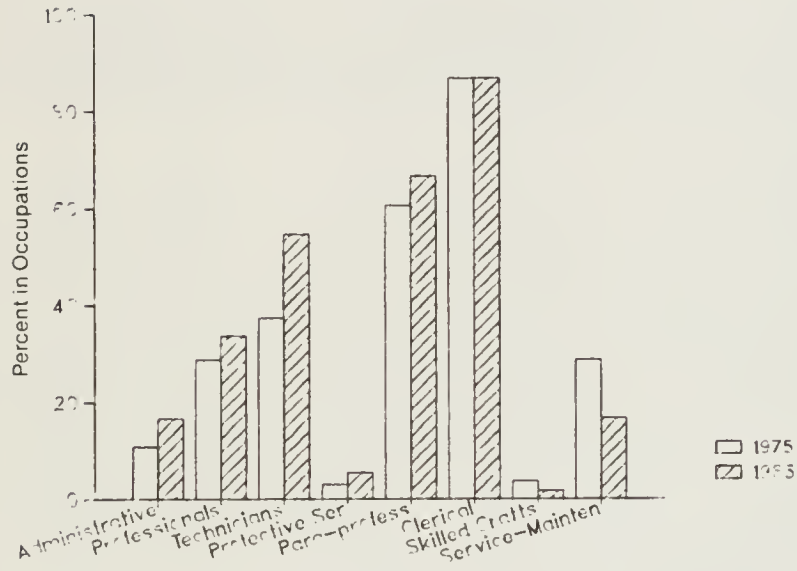
MONTANA EMPLOYED PERSONS BY DETAILED OCCUPATION
& PERCENTAGE OF WOMEN IN EACH, 1980

Group	Number in Each Occup.	Percent Female
Total, All Occupations	328,316	41.1
Executive, Administrative & Managerial:	33,789	30.6
Officials & Administrators, Public Admin.	1,734	35.9
Officials & Administrators, Other	24,585	27.9
Manufacturing	1,867	10.3
Retail Trade, self-employed	1,258	42.2
Retail Trade, except self-employed	4,584	33.1
Other Industries	16,876	27.4
Management-Related Occupations	7,470	38.3
Professional Specialty Occupations:	40,381	49.1
Engineers & Natural Scientists	5,352	8.8
Architects	359	6.4
Engineers	2,452	4.9
Surveyors	334	9.9
Computer, Math & Natural Scientists	2,207	13.4
Physicians, Dentists & Kindred	2,211	7.3
Registered Nurses, Therapists & Kindred	5,385	88.6
Elementary & Secondary School Teachers	14,058	64.6
Other Teachers, Librarians & Counselors	4,686	48.7
Social Scientists & Urban Planners	527	28.5
Social, Recreation & Religious Workers	3,022	36.1
Lawyers & Judges	1,659	17.2
Writers, Artists, Entertainers, Athletes	3,481	43.6
Technicians & Related Support:	7,990	49.7
Health Technologists & Technicians	1,578	80.5
Licensed Practical Nurses	1,380	97.0
Engineering, Science & Other Technicians	5,032	27.0
Sales Occupations:	33,677	47.0
Supervisors, self-employed	1,924	33.1
Supervisors, except self-employed	3,879	26.9
Sales Representatives	9,333	22.0
Finance & Business Services	6,064	29.4
Commodities	3,269	8.4
Sales Workers, Retail Trade	11,722	60.7
Sales Workers, except Retail	1,373	37.4
Cashiers	5,324	82.8
Sales-Related Occupations	122	36.1

SOURCE: U.S. Employment & Training Administration, 1980 Census.

FIGURE III-3

Montana
State Government Employment of Women
1975 and 1983



Source: Employee Relations Bureau, Personnel Division, Montana Department of Administration.

TABLE III - 17

MONTANA STATE GOVERNMENT EMPLOYMENT OF WOMEN
BY CATEGORY

	1975 [*]		1982		1983	
	Number	Percent	Number	Percent	Number	Percent
Administrators	76	10.9	84	13.2	119	16.6
Professionals	627	28.8	832	32.4	958	33.7
Technicians	458	37.4	859	52.7	977	54.6
Protective Services	16	3.0	24	5.3	28	5.4
Paraprofessionals	817	60.8	514	67.4	593	66.6
Clerical	1,948	86.7	1,485	85.9	1,447	86.8
Skilled Crafts	30	3.7	5	1.3	7	1.7
Service/Maintenance	280	28.8	150	18.4	126	16.6

* Starting date of Montana Equal Employment Opportunity (EEO) Program

SOURCE: Personnel Division, Montana Dept. of Administration, "Annual Report to the Governor on the Montana E.E.O. and Affirmative Action Program for the period ending June 30, 1983."

TABLE III - 18

COMPARISON OF EMPLOYMENT BY SECTOR:
MONTANA & THE UNITED STATES, 1983

Sector	Montana Percent of Total	U.S. Percent of Total
Agriculture*	9	3
Mining	2	1
Construction	3	4
Manufacturing	6	16
Transportation & Utilities	5	4
Wholesale Trade	4	5
Retail Trade	15	14
Finance, Insurance & Real Estate	4	5
Private Services	16	19
Public Services (Gov't)	19	17
Non-Farm Self-Employed	16	12

* includes self-employed farm workers

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, August 1984; percentages derived.

TABLE III - 19

STATE & LOCAL GOVERNMENT EMPLOYMENT
1970 & 1980
(thousands)

	1970	1980	1983	Percent Change	
				1970-80	1980-83
United States	10,192,000	13,281,000	13,101,000	30.3	-1.4
Montana	39,195	52,837	52,109	34.8	-1.4
Idaho	40,250	57,303	56,753	42.4	-1.0
Wyoming	25,600	36,156	42,972	41.2	+18.9

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, 1985.

TABLE III - 20

PUBLIC SECTOR EMPLOYMENT IN MONTANA: 1978 - 1983
(thousands)

Public Sector	1978		1979		1980		1981		1982		1983	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Federal Government	13.6	19.0	13.9	19.8	13.8	19.6	13.6	19.6	12.9	19.2	12.5	18.3
State Colleges & Universities	8.6	12.0	7.9	11.3	8.2	11.7	7.8	11.3	8.1	12.1	8.2	12.0
Other State Government	11.1	15.4	10.8	15.4	10.8	15.4	10.4	15.0	10.0	14.9	10.4	15.2
Local Education	23.8	33.2	22.8	32.5	23.1	32.9	22.5	32.5	21.5	32.0	22.1	32.4
Other Local Government	14.6	20.4	14.7	21.0	14.3	20.4	15.0	21.6	14.6	21.8	15.0	22.0
Total Government	71.1	100.0	70.1	100.0	70.2	100.0	69.3	100.0	67.1	100.0	68.2	100.0
Civilian Labor Force (CLF)	370.0		371.0		370.0		384.0		392.0		394.0	
Public Sector as % of CLF		19.4		18.9		19.0		18.0		17.1		17.3

NOTE: The data here are from a different series than the preceding and following tables and are not compatible.

SOURCE: Research and Analysis Bureau, Montana Dept. of Labor & Industry, unpublished data. Compiled by Census and Economic Information Center, Montana Dept. of Commerce, 1984.

LABOR FORCE CHARACTERISTICS: CLASS OF WORKER, 1980

Group	United States *		Montana		Idaho		Wyoming	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Employed Persons 16 Yrs & Over	97,639,355	100.0	328,316	100.0	383,652	100.0	217,374	100.0
Private Wage & Salary Workers	73,772,204	75.6	214,018	65.2	266,801	69.5	155,459	71.5
Federal Government Workers	3,762,008	3.9	18,390	5.6	17,687	4.6	8,798	4.0
State Government Workers	4,473,825	4.6	21,451	6.5	24,060	6.3	13,211	6.1
Local Government Workers	8,453,968	8.7	31,826	9.7	27,053	7.1	20,774	9.6
Self-Employed Workers	6,677,871	6.8	39,816	12.1	44,576	11.6	17,846	8.2
Unpaid Family Workers	494,479	0.5	2,815	0.9	3,475	0.9	1,286	0.6
Combined Public Sector Workers		17.2		21.8		18.0		19.7

* does not total to exactly 100 percent due to rounding.

SOURCE: U.S. Bureau of the Census, General Social and Economic Characteristics, volumes for the U.S., Montana, Montana, Idaho, and Wyoming, Tables 90 (U.S.) and 67 (states).

TABLE III - 22

NUMBER OF FULL- & PART-TIME JOBS IN MONTANA

Employment by Place of Work ¹	1978	1979	1980	1981	1982	1983
Total Employment by Type: ²						
Wage & Salary Employment: ³						
Proprietors' Employment	302,716	309,664	305,476	302,945	296,749	299,320
Farm	62,726	62,690	62,278	62,386	63,319	64,413
Non-Farm	23,964	23,973	23,986	23,992	24,008	23,903
	38,762	38,717	38,293	38,394	39,311	40,510
Wage & Salary Employment by Industry:						
Farm	9,136	10,839	10,300	8,866	9,408	8,909
Non-Farm	293,580	295,176	298,825	294,079	287,341	290,411
Private	217,474	222,557	219,232	221,186	215,282	216,677
Agric. Services, Forestry & Fisheries: ⁴	1,932	1,822	1,818	1,870	1,862	1,992
Agricultural Services	1,880	1,768	1,730	1,743	1,729	1,795
Forestry & Fisheries	52	54	88	127	133	197
Forestry ⁴	52	45	81	126	133	196
Fisheries	0	(L)	(L)	(L)	0	(L)
Mining:	6,922	7,721	8,818	11,351	9,384	7,459
Coal Mining	1,239	1,346	1,393	1,404	1,283	1,289
Anthracite Mining	0	0	0	0	0	0
Bituminous Coal & Lignite Mining	1,239	1,346	1,393	1,404	1,283	1,289
Oil & Gas Extraction	2,849	3,356	4,664	6,825	5,463	3,749
Metal Mining	2,030	2,144	1,917	2,306	1,765	1,514
Nonmetallic Minerals, except Fuels	804	875	844	816	873	907
Construction:	16,592	15,611	14,602	13,235	13,367	13,443
General Building Contractors	5,765	5,462	4,693	3,717	3,247	3,518
Heavy Construction Contractors	4,597	4,055	3,861	4,521	5,414	4,964
Special Trade Contractors	6,230	6,094	6,048	4,997	4,706	4,961

Employment by Place of Work ¹	1978	1979	1980	1981	1982	1983
Manufacturing:						
Nondurable Goods	26,337	26,895	24,239	23,138	20,461	22,058
Food & Kindred Products	8,910	9,140	9,000	8,958	8,825	8,975
Textile Mill Products	4,056	4,116	4,050	3,815	3,672	3,699
Apparel & Other Textile Products	(D)	0	0	0	0	0
Paper & Allied Products	201	194	213	278	374	431
Printing & Publishing	658	712	809	836	801	865
Chemicals & Allied Products	2,278	2,368	2,238	2,293	2,264	2,338
Petroleum & Coal Products	582	606	547	512	522	481
Tobacco Manufacturers	1,045	1,022	1,020	1,066	1,042	1,010
Rubber & Misc. Plastics Products	0	0	0	0	0	0
Leather & Leather Products	74	96	91	124	118	102
Durable Goods:	(D)	26	32	34	32	49
Lumber & Wood Products	17,427	17,755	15,239	14,180	11,636	13,083
Furniture & Fixtures	10,750	10,913	9,235	8,772	7,115	8,812
Primary Metal Industries	(D)	(D)	106	(D)	135	159
Fabricated Metal Products	(D)	(D)	2,641	(D)	1,412	1,180
Machinery, except Electrical	553	586	644	656	578	544
Electric & Electronic Equipment	402	448	393	502	361	310
Transportation Equip., except Motor Vehicles	232	311	320	323	251	244
Motor Vehicles & Equipment	169	132	74	70	48	67
Stone, Clay & Glass Products	33	42	34	129	117	90
Instruments & Related Products	1,371	1,364	1,251	1,154	1,109	1,134
Misc. Manufacturing Industries	92	105	93	98	129	154
	498	456	448	368	381	389
Transportation & Public Utilities:						
Railroad Transportation	21,771	23,481	23,093	23,158	22,413	21,020
Trucking & Warehousing	6,879	7,432	6,875	6,256	5,194	4,436
Water Transportation	(D)	4,595	4,415	4,778	4,757	4,777
Other Transportation:	27	24	26	27	23	21
Local & Interurban Passenger Transit	(D)	2,467	2,470	2,559	2,576	2,549
Transportation by Air	1,007	1,375	(D)	1,340	1,327	1,345
Pipelines, except Natural Gas	604	678	662	741	745	693
Transportation Services	(D)	(D)	(D)	(D)	102	95
Communication	(D)	(D)	349	(D)	402	416
Electric, Gas & Sanitary Services	4,668	5,079	5,201	5,257	5,311	4,580
	3,539	3,884	4,106	4,281	4,552	4,657

TABLE III - 22
(cont.)

Employment by Place of Work ¹	1978	1979	1980	1981	1982	1983
Wholesale Trade	16,520	17,411	17,688	18,072	17,305	17,071
Retail Trade:	55,776	56,195	54,557	55,050	55,120	56,651
Building Materials & Farm Equipment	3,285	3,285	3,099	3,008	2,860	3,088
General Merchandise Stores	5,967	5,899	5,737	5,695	5,611	5,614
Food Stores	7,565	7,837	7,925	8,025	8,092	8,215
Automotive Dealers & Service Stations	8,956	8,625	7,725	7,420	7,047	7,184
Apparel & Accessory Stores	2,565	2,659	2,577	2,547	2,512	2,539
Furniture & Home Furnishings Stores	1,886	1,993	1,986	1,960	1,955	2,131
Eating & Drinking Places	19,926	20,092	19,670	20,514	21,052	21,889
Miscellaneous Retail Stores	5,626	5,805	5,838	5,881	5,991	5,991
Finance, Insurance & Real Estate:	12,781	13,286	13,597	13,570	13,577	13,795
Banking	5,139	5,320	5,450	5,476	5,390	5,338
Other Finance, Insurance & Real Estate	7,642	7,966	8,147	8,094	8,187	8,457
Credit Agencies except Banks	1,457	1,525	1,514	1,517	1,490	1,581
Security & Commodity Brokers & Services	285	318	349	389	445	486
Insurance Carriers	1,743	1,846	1,939	1,956	1,922	1,820
Insurance Agents, Brokers & Services	1,311	1,384	1,468	1,571	1,662	1,732
Real Estate	2,574	2,627	2,619	2,456	2,464	2,605
Combined Real Estate, Insurance, etc.	206	194	198	123	104	93
Holding & Other Investment Companies	66	72	60	82	100	140
Services:	58,843	60,135	60,820	61,742	61,793	63,188
Hotels & Other Lodging Places	6,702	6,672	6,895	7,090	6,771	6,768
Personal Services	2,570	2,544	2,596	2,584	2,528	2,590
Private Households	5,238	4,835	4,408	4,430	4,510	4,601
Business & Repair Services:	6,231	6,700	6,809	7,305	7,104	7,594
Business Services	3,663	3,942	4,189	4,588	4,402	4,804
Auto Repair, Services & Garages	1,782	1,915	1,744	1,786	1,805	1,909
Miscellaneous Repair Services	786	843	876	931	897	881
Amusement & Recreation, incl. Motion Pictures	2,335	2,659	2,465	2,566	2,728	2,828
Amusement & Recreation Services	1,543	1,655	1,683	1,799	1,999	2,109
Motion Pictures	792	1,004	782	767	729	719

TABLE III - 22
(cont.)

Employment by Place of Work ¹	1978	1979	1980	1981	1982	1983
Services (cont.)						
Professional, Social & Related Services						
Health Services	35,767	36,725	37,647	37,767	38,152	38,807
Legal Services	17,519	17,885	18,615	19,520	20,758	21,213
Educational Services	1,216	1,312	1,388	1,453	1,528	1,582
Social Services	2,006	1,881	1,830	1,738	1,758	1,659
Museums, Botanical, Zoological Gardens	4,707	4,651	5,088	4,770	4,104	4,266
Membership Organizations	40	46	56	60	73	76
Miscellaneous Services	7,399	7,845	7,496	7,151	6,944	7,026
	2,880	3,105	3,174	3,075	2,987	2,985
Government & Government Enterprises:						
Federal, Civilian	76,106	76,268	75,944	72,893	72,059	73,734
Military	13,718	13,919	13,851	13,657	13,159	13,070
State & Local	11,092	9,776	9,256	8,168	8,015	8,555
	52,296	52,573	52,837	51,068	50,885	52,109
Total Population (Thousands):	782	787	788	796	805	815

(L) - Less than 10 jobs.

(D) - Withheld to avoid disclosure of individual firm which may dominate an industrial sector.

- ¹ Consists of full- and part-time employment.
- ² Includes wage and salary employment plus number of proprietors.
- ³ Proprietors are self-employed persons.
- ⁴ Includes fishing, hunting and trapping.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished, August 1984, and Keegan, Jackson and Johnson, Montana's Forest Products Industry, 1983, p. 72 for lumber and wood products in 1981.

FIGURE III-4
MONTANA EMPLOYMENT
1978-1983

Figure III-4a

Farm Proprietors:
Employment

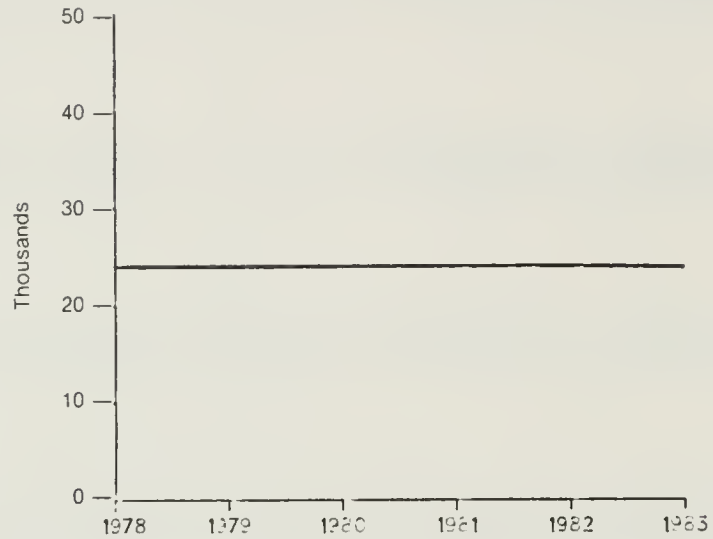
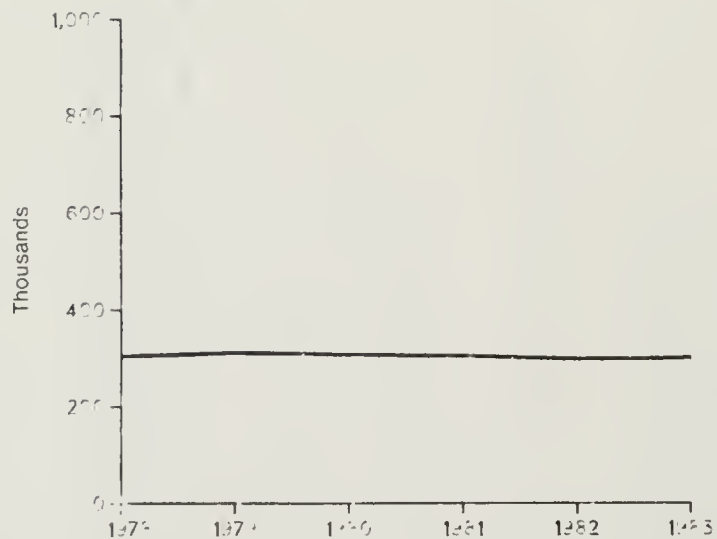


Figure III-4b

Wage & Salary Employment



Source: U.S. Bureau of Economic Analysis.

Figure III-4 (continued)
MONTANA EMPLOYMENT
1978-1983

Figure III-4c

Ag. Services, Forestry, and
Fishery Employment

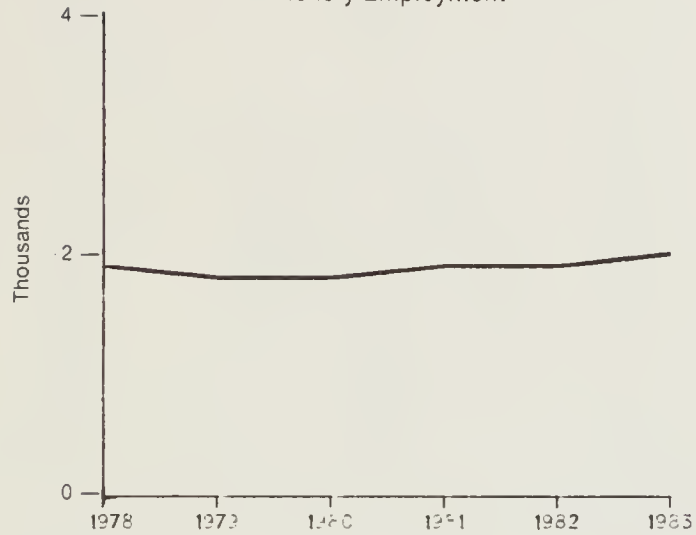
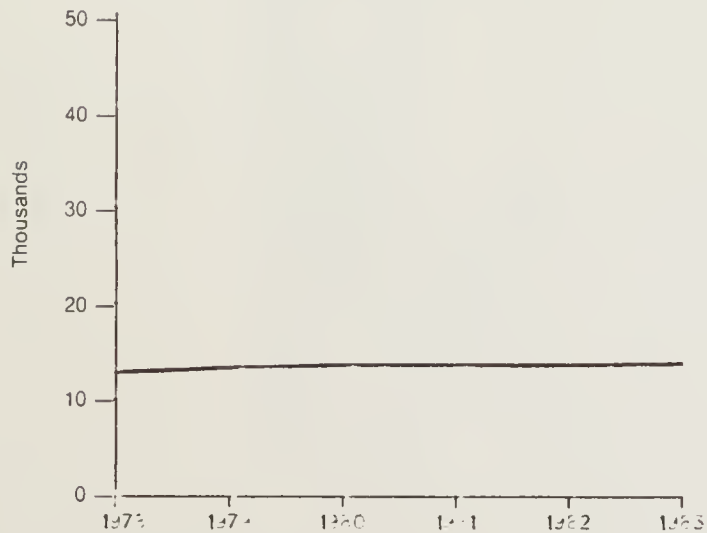


Figure III-4d

Finance, Insurance, and
Real Estate Employment



Note: Excludes proprietors.

Source: U.S. Bureau of Economic Analysis.

Figure III-4 (continued)
MONTANA EMPLOYMENT
1978-1983

Figure III-4e

Construction Employment

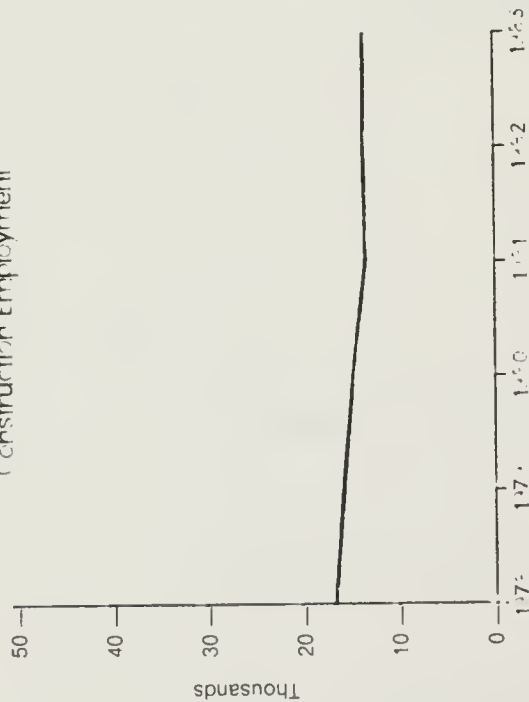


Figure III-4f

Manufacturing Employment

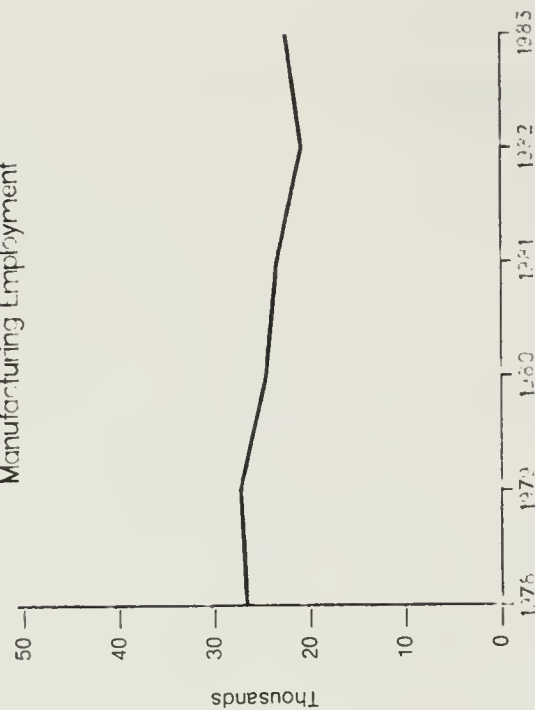


Figure III-4g

Transportation and Public Utility Employment

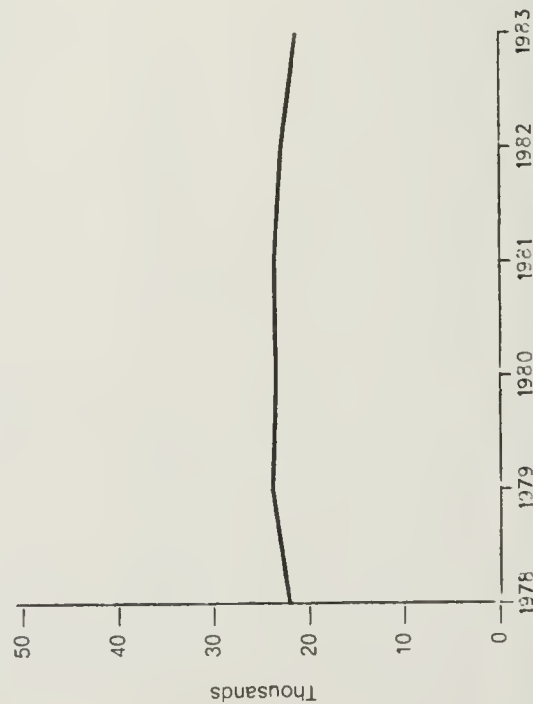


Figure III-4h

Mining Employment

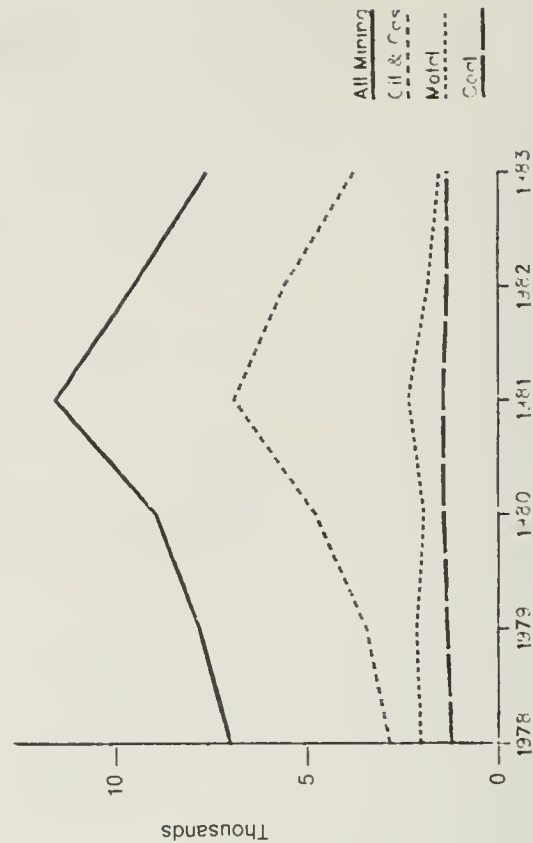


Figure III-4 (continued)
MONTANA EMPLOYMENT
1978-1983

Figure III-4i
Government Employment

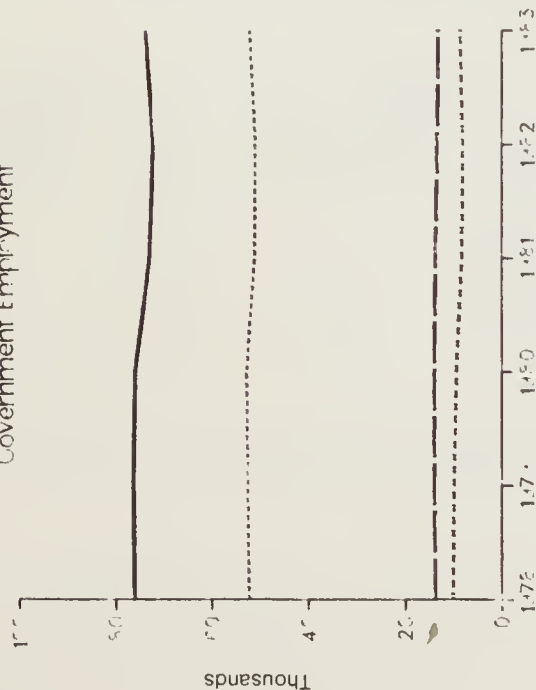


Figure III-4j
Services Employment

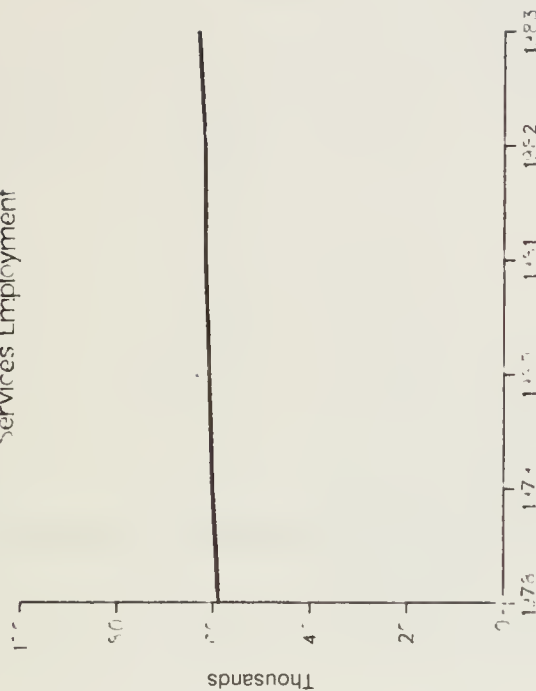


Figure III-4k
Retail Trade Employment



Figure III-4l
Wholesale Trade Employment



Note: Excludes proprietors.
Source: U.S. Bureau of Economic Analysis.

TABLE III - 23

CIVILIAN LABOR FORCE PARTICIPATION RATES, 1980

	Total	Male	Female	White	Black & Other
United States	63.8	77.4	51.6	64.1	61.2
Montana	64.4	77.6	51.9	64.9	54.1
Idaho	65.1	79.0	51.8	65.1	NA
Wyoming	70.0	84.5	55.5	70.2	NA

NA - Not available

SOURCE: U.S. Bureau of the Census, State and Metropolitan Area Data Book, 1982, p. 497.

TABLE III - 24

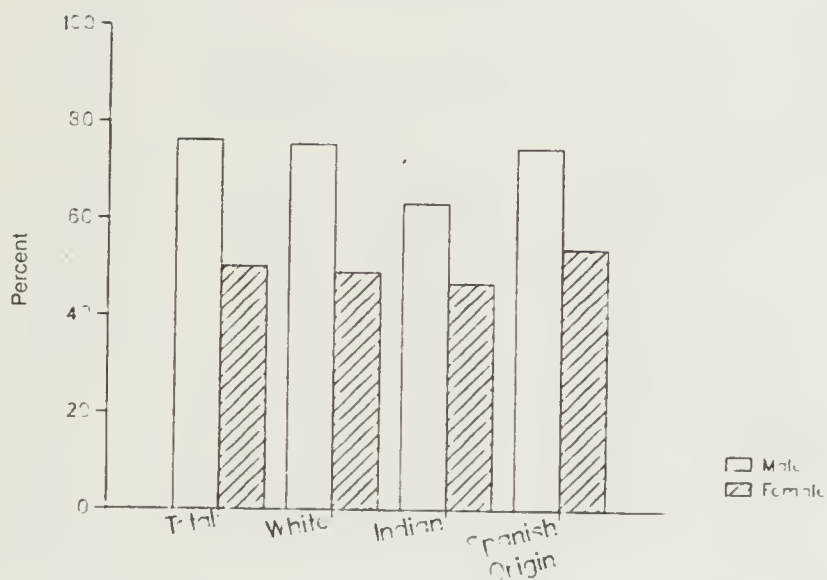
FEMALES, AGE 16 & OVER WITH OWN CHILDREN,
BY LABOR FORCE STATUS & AGE OF CHILDREN: MONTANA
1970 & 1980

Females 16 Yrs. & Over	1970		1980	
	Number	Percent in Labor Force	Number	Percent in Labor Force
With own Children under 18 Yrs	97,723	39.9	110,590	54.5
With own Children under 6 Yrs	46,586	30.8	53,038	44.6
With own Children 6-17 Yrs	51,137	48.2	57,552	63.4

SOURCE: U.S. Bureau of the Census, Census of Population: 1970 & 1980, Computer Tapes.

FIGURE III-5

Montana
Labor Force Participation Rate
1980



Percent of Population over 16 in The Civilian Labor Force.

Source: U.S. Bureau of The Census.

TABLE III - 25

MONTANA CIVILIAN LABOR FORCE, UNEMPLOYMENT,
& PARTICIPATION RATES: 1980

Persons 16 & Over	Employed	Unemployed	Percent Unemployed	Not in Labor Force	Participation Rate
Total:					
Male	193,532	19,611	9.2	66,782	76.1
Female	134,784	9,919	6.9	143,419	50.2
White:					
Male	186,782	17,742	8.7	66,782	75.3
Female	128,896	8,893	6.5	143,419	49.0
Indian:					
Male	5,312	1,653	23.7	4,053	63.2
Female	4,685	888	15.9	6,330	46.8
Spanish Origin:					
Male	1,859	295	13.7	732	74.6
Female	1,508	141	8.6	1,407	54.0

SOURCE: U.S. Bureau of the Census, Summary Tape File 3A, 1980 Census.

TABLE III - 26

AMERICAN INDIAN UNEMPLOYMENT IN MONTANA: 1980

Group	Percent of Civilian Labor Force
Statewide Indian Rate	20.2
Blackfeet Reservation	14.7
Crow Reservation	35.2
Flathead Reservation	20.2
Fort Belknap Reservation	8.9
Fort Peck Reservation	25.2
Northern Cheyenne Reservation	15.7
Rocky Boy's Reservation	11.3
Overall Montana Unemployment Rate for All Races	8.3

SOURCE: U.S. Bureau of the Census, 1980 Census, General Social & Economic Characteristics, Montana, pp. 28-36, 28-51, 28-74, and 28-263.

FIGURE III-6

Montana
1980 Unemployment Rate,
By Race and Sex

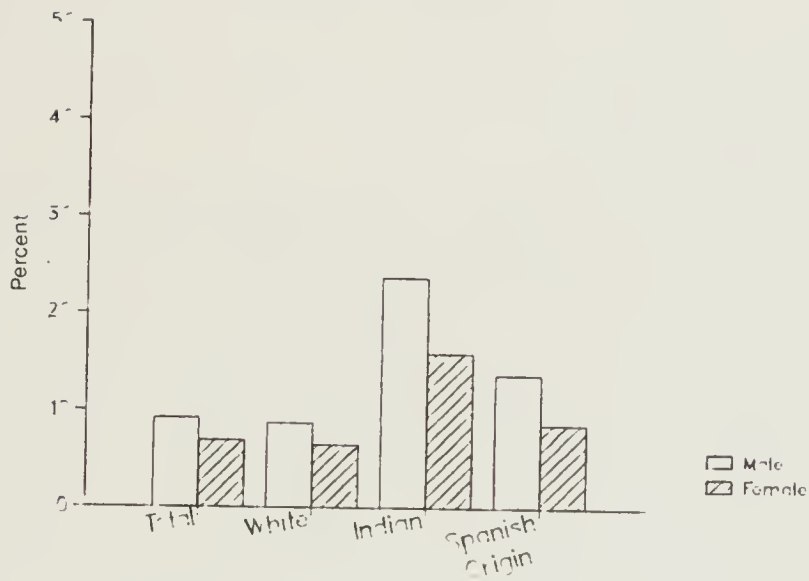
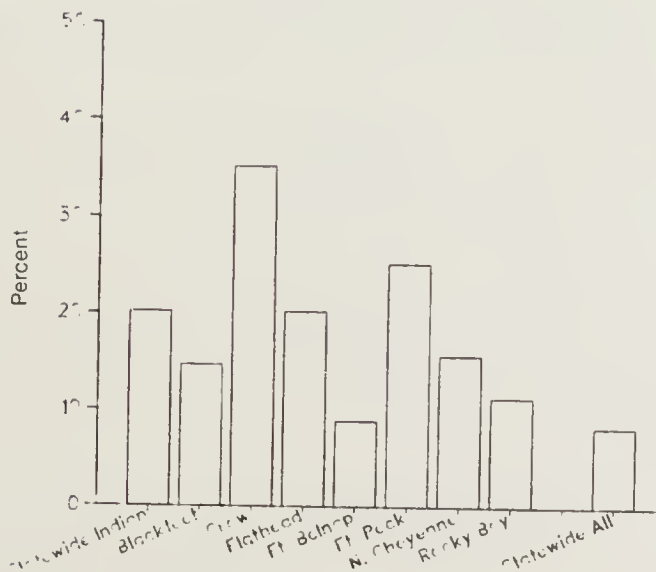


FIGURE III-7

1980 Indian Unemployment Rate,
By Reservation



Source: U.S. Bureau of The Census.

CHAPTER IV

INCOME

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TABLE IV - 1

PER CAPITA DISPOSABLE PERSONAL INCOME
U.S., ROCKY MOUNTAIN STATES, & MONTANA: 1948-1983

Year	US	Rockies [*]	Montana	Montana/US	Montana/Rockies
1948	\$1,278	\$1,301	\$1,487	116.4	114.3
1949	\$1,255	\$1,261	\$1,286	102.5	102.0
1950	\$1,357	\$1,358	\$1,516	111.7	111.6
1951	\$1,460	\$1,515	\$1,608	110.1	106.1
1952	\$1,511	\$1,550	\$1,607	106.4	103.7
1953	\$1,578	\$1,516	\$1,595	101.1	105.2
1954	\$1,580	\$1,495	\$1,557	98.5	104.2
1955	\$1,658	\$1,570	\$1,673	100.9	106.6
1956	\$1,737	\$1,625	\$1,696	97.6	104.4
1957	\$1,797	\$1,723	\$1,724	95.9	100.1
1958	\$1,820	\$1,754	\$1,811	99.5	103.3
1959	\$1,900	\$1,808	\$1,732	91.2	95.8
1960	\$1,938	\$1,843	\$1,793	92.5	97.3
1961	\$1,981	\$1,881	\$1,728	87.2	91.9
1962	\$2,065	\$1,993	\$2,056	99.6	103.2
1963	\$2,135	\$2,027	\$2,009	94.1	99.1
1964	\$2,286	\$2,135	\$2,064	90.3	96.7
1965	\$2,438	\$2,286	\$2,214	90.8	96.9
1966	\$2,602	\$2,391	\$2,363	90.8	98.8
1967	\$2,747	\$2,504	\$2,429	88.4	97.0
1968	\$2,947	\$2,644	\$2,550	86.5	96.4
1969	\$3,144	\$2,819	\$2,695	85.7	95.6
1970	\$3,382	\$3,096	\$2,986	88.3	96.5
1971	\$3,608	\$3,330	\$3,115	86.3	93.5
1972	\$3,846	\$3,631	\$3,561	92.6	98.1
1973	\$4,302	\$4,081	\$4,136	96.1	101.4
1974	\$4,655	\$4,451	\$4,394	94.4	98.7
1975	\$5,063	\$4,808	\$4,722	93.3	98.2
1976	\$5,468	\$5,190	\$4,976	91.0	95.9
1977	\$5,957	\$5,622	\$5,297	88.9	94.2
1978	\$6,611	\$6,342	\$6,064	91.7	95.6
1979	\$7,314	\$7,063	\$6,459	88.3	91.5
1980	\$8,016	\$7,769	\$7,147	89.2	92.0
1981	\$8,859	\$8,598	\$7,949	89.7	92.5
1982	\$9,374	\$9,007	\$8,324	88.8	92.4
1983	\$9,962	\$9,438	\$8,575	86.1	90.9

* Rockies consists of Colorado, Idaho, Montana, Utah & Wyoming

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished, August 1984.

FIGURE IV-1 MONTANA INCOME

Figure IV-1a
Montana Per Capita Income

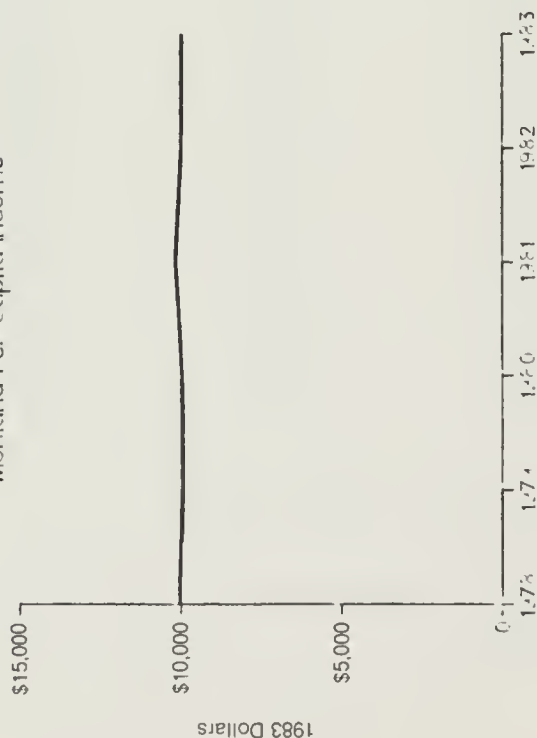


Figure IV-1c
Per Capita Income
Montana and United States

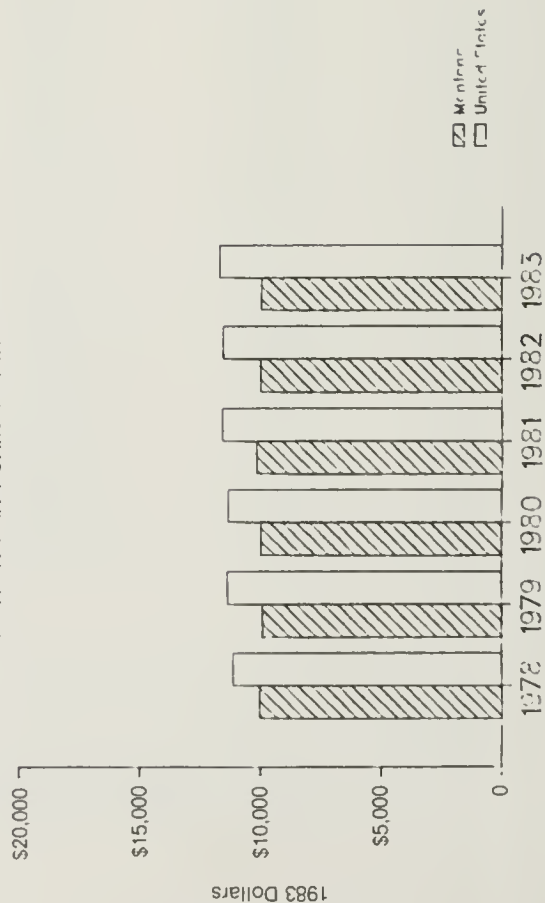
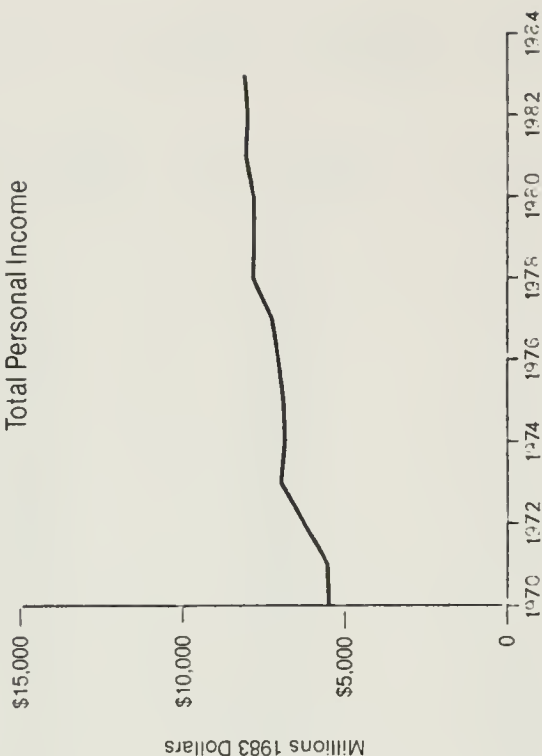


Figure IV-1b
Montana
Total Personal Income



Source: U.S. Bureau of Economic Analysis.

TABLE IV - 2

MONTANA PERSONAL INCOME, CURRENT & CONSTANT DOLLARS
1970 - 1983
(in thousands of dollars)

Year	Current \$	Constant* 1983 \$	% Change from Prev. Yr.	
			Current \$	Constant*
				1983 \$
1970	\$2,389,807	\$5,518,516	(X)	(X)
1971	2,514,897	5,566,653	5.2	0.9
1972	2,942,757	6,285,729	17.0	12.9
1973	3,463,542	6,999,173	17.7	11.4
1974	3,746,940	6,875,828	8.2	-1.8
1975	4,059,793	6,920,764	8.3	0.7
1976	4,371,231	7,089,559	7.7	2.4
1977	4,752,237	7,286,991	8.7	2.8
1978	5,491,125	7,866,561	15.5	8.0
1979	5,954,464	7,826,914	8.4	-0.5
1980	6,575,644	7,846,690	10.4	0.3
1981	7,364,229	8,087,400	12.0	3.1
1982	7,740,594	8,026,169	5.1	-0.8
1983	8,123,988	8,123,988	5.0	1.2

* Implicit price deflator for personal consumption expenditures used for constant dollars.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished, August 1984. Constant Dollars by Census and Economic Information Center, Montana Dept. of Commerce, October 1984.

TABLE IV - 3

MONTANA INCOME
(thousands of current dollars)

Income by Place of Residence	1978	1979	1980	1981	1982	1983
<u>Total Personal Income:</u>						
Non-Farm	5,491,125	5,954,464	6,575,644	7,364,229	7,740,594	8,123,988
Farm	5,170,225	5,779,400	6,327,482	7,041,471	7,507,541	7,909,821
	320,900	175,064	248,162	322,753	233,053	214,167
Population ² (thousands)	782	787	788	796	805	815
Per Capita Personal Income (dollars)	7,022	7,566	8,342	9,254	9,617	9,968
<u>Derivation of Total Personal Income</u>						
Labor Income by Place of Work:	4,103,579	4,334,599	4,642,480	5,018,855	5,048,655	5,291,267
Less Pers. Contrib. for Soc. Insur.	246,852	285,616	308,519	357,288	375,815	396,366
Plus Adjust. for Residence	-10,319	-10,454	-13,568	-12,621	-11,895	-13,191
Equals Net Erngs. by Place of Res.	3,846,408	4,038,529	4,320,393	4,648,946	4,660,945	4,881,710
Plus Dividends, Interest & Rent ⁴	914,133	1,094,613	1,284,590	1,607,702	1,834,147	1,889,972
Plus Transfer Payments	730,584	821,322	970,661	1,107,581	1,245,502	1,352,306
<u>Labor Income by Place of Work:</u>						
Components of Earnings:						
Wages & Salaries	3,179,282	3,578,103	3,855,814	4,199,980	4,342,684	4,521,201
Other Labor Income	259,650	281,200	305,451	336,830	390,192	432,885
Proprietors' Income ⁵	664,647	475,296	481,215	482,045	315,779	337,181
Farm	206,282	28,224	89,282	168,430	53,466	36,658
Non-Farm	458,365	447,072	391,933	313,615	262,313	300,523
<u>Labor Income by Industry:</u>						
Farm	320,900	175,064	248,162	322,758	233,053	214,167
Non-Farm	3,782,679	4,159,535	4,394,318	4,696,097	4,815,602	5,077,100
Private	2,967,241	3,271,284	3,440,621	3,667,968	3,711,277	3,888,860

TABLE IV - 3
(cont.)

Labor Income by Industry	1978	1979	1980	1981	1982	1983
Agric. Serv., Forestry & Fisheries ⁶						
Agricultural Services	17,502	17,470	17,743	18,446	19,723	22,197
Forestry & Fisheries ⁶	14,720	14,851	14,682	16,131	17,216	18,865
Forestry	2,782	2,619	3,061	2,315	2,507	3,332
Fisheries	1,994	1,531	1,780	1,902	2,307	3,107
	788	1,088	1,281	413	200	225
Mining:						
Coal Mining	145,841	202,014	245,515	322,437	294,081	234,823
Anthracite Mining	35,209	42,354	45,698	50,841	51,217	53,125
Bituminous Coal & Lignite Mining	0	0	0	0	0	0
Oil & Gas Extraction	35,209	42,354	45,698	50,841	51,217	53,125
Metal Mining	57,382	96,862	132,799	193,438	176,715	113,284
Nonmetallic Minerals, except Fuels	39,188	45,943	48,764	61,730	48,143	47,982
	14,062	16,855	18,254	16,428	18,006	20,432
Construction:						
General Building Contractors	355,109	352,006	343,746	331,175	341,666	351,361
Heavy Construction Contractors	109,480	118,622	112,893	81,349	71,382	79,163
Special Trade Contractors	105,702	95,810	90,741	126,957	152,458	142,166
	139,927	137,574	140,112	122,869	117,826	130,032
Manufacturing:						
Nondurable Goods	455,124	500,841	491,436	509,257	461,805	518,492
Food & Kindred Products	141,528	158,050	173,192	190,262	196,869	207,021
Textile Mill Products	56,740	62,425	67,792	71,764	71,019	72,757
	(D)	(L)	137	(L)	(L)	(L)
Apparel & Other Textile Products	1,733	1,820	2,380	3,110	4,882	6,118
Paper & Allied Products	14,735	17,441	23,142	26,318	25,429	30,211
Printing & Publishing	26,002	28,717	30,078	32,352	34,562	36,978
Chemicals & Allied Products	11,227	12,854	12,812	13,033	14,507	13,809
Petroleum & Coal Products	29,990	33,441	35,333	41,782	44,589	45,136
Tobacco Manufacturers	0	0	0	0	0	0
Rubber & Misc. Plastics Products	741	1,051	1,118	1,559	1,594	1,565
Leather & Leather Products	(D)	282	401	315	270	422

TABLE IV - 3
(cont.)

Labor Income by Industry	1978	1979	1980	1981	1982	1983
Durable Goods:						
Lumber & Wood Products	313,596	342,791	318,243	318,995	264,936	311,471
Furniture & Fixtures	192,557	205,008	181,258	185,000	156,391	208,073
Primary Metal Industries	(D)	(D)	1,741	(D)	2,122	2,737
Fabricated Metal Products	(D)	(D)	76,599	(D)	45,440	38,690
Machinery, except Electrical	8,926	11,304	13,852	14,388	13,064	12,711
Electric & Electronic Equipment	6,138	7,527	7,723	9,582	7,910	6,808
Trans. Equip., except Mtr. Veh.	2,983	4,270	4,627	4,555	3,926	4,094
Motor Vehicles & Equipment	1,801	1,513	936	1,099	737	1,037
Stone, Clay & Glass Products	464	613	619	3,262	3,065	2,493
Instruments & Related Products	22,446	24,540	24,044	23,546	24,390	26,209
Misc. Manufacturing Industries	1,346	1,514	1,565	1,734	2,133	2,882
	5,338	5,202	5,279	5,431	5,758	5,737
Transportation & Public Utilities:						
Railroad Transportation	437,910	503,072	538,618	587,112	616,243	622,143
Trucking & Warehousing	148,581	178,030	181,152	176,635	163,773	152,387
Water Transportation	(D)	95,523	102,414	120,783	122,173	125,934
Other Transportation:	171	183	194	231	228	203
Local & Interurban Passenger Transit	(D)	36,978	39,495	41,689	43,094	44,427
Transportation by Air	11,104	14,740	(D)	15,986	15,584	16,696
Pipelines, except Natural Gas	11,663	13,349	13,959	14,988	16,405	16,021
Transportation Services	(D)	(D)	(D)	(D)	3,074	3,150
Communication	(D)	(D)	8,149	(D)	8,031	8,560
Electric, Gas & Sanitary Services	93,884	106,891	116,866	131,341	143,083	140,574
	71,832	85,467	98,497	116,433	143,892	158,618
Wholesale Trade	251,069	285,520	315,684	346,522	345,773	353,458
Retail Trade:						
Building Materials & Farm Equipment	489,872	527,392	539,809	556,198	577,924	618,436
General Merchandise Stores	40,693	44,824	45,779	44,081	43,664	49,689
Food Stores	46,363	48,271	49,948	54,214	56,411	56,209
Automotive Dealers & Service Stations	81,849	88,921	98,687	105,149	110,705	114,586
Apparel & Accessory Stores	105,587	114,532	106,342	103,470	104,720	114,395
Furniture & Home Furnishings Stores	20,910	21,470	21,501	21,279	21,663	22,711
Eating & Drinking Places	24,561	25,903	26,637	26,502	28,114	31,853
Miscellaneous Retail Stores	109,789	117,201	121,702	131,694	142,453	154,653
	60,120	66,270	69,213	69,809	70,194	74,340

TABLE IV - 3
(cont.)

Labor Income by Industry	1978	1979	1980	1981	1982	1983
Finance, Insurance & Real Estate:	190,646	209,207	219,293	208,642	219,721	244,538
Banking	62,513	70,491	78,837	86,559	94,630	100,698
Other Finance, Insurance & Real Estate	123,133	138,716	140,456	122,083	125,091	143,840
Credit Agencies except Banks	16,767	18,983	20,583	21,534	22,776	25,801
Security & Commodity Brokers & Services	11,481	13,724	14,303	13,927	16,903	23,211
Insurance Carriers	23,618	26,765	30,411	32,967	35,716	36,749
Insurance Agents, Brokers & Services	29,878	32,048	35,986	35,012	36,757	40,135
Real Estate	42,207	43,102	35,444	13,233	8,336	11,848
Combined Real Estate, Insurance, etc.	3,111	3,193	3,328	1,821	1,237	1,096
Holding & Other Investment Companies	1,071	901	401	3,589	3,366	5,000
Services:	624,168	673,762	728,777	788,179	834,341	923,412
Hotels & Other Lodging Places	44,126	47,068	51,455	48,649	39,915	46,120
Personal Services	30,912	33,076	32,511	31,654	31,656	33,800
Private Households	11,300	11,675	11,900	12,683	13,702	14,024
Business Services	41,850	52,836	57,281	66,637	68,452	77,436
Auto Repair, Services & Garages	29,327	30,563	29,637	30,899	29,926	33,548
Miscellaneous Repair Services	16,700	17,802	21,758	19,404	18,215	18,429
Amusement & Recreation Services	9,263	10,738	10,926	13,515	15,168	17,232
Motion Pictures	3,703	15,844	4,122	1,726	2,110	2,744
Professional, Social & Related Services	224,666	239,185	274,121	312,447	361,851	403,024
Health Services	42,282	36,007	39,001	46,277	51,191	59,757
Legal Services	18,349	18,413	19,204	18,194	19,270	19,925
Educational Services	30,728	32,279	38,444	39,547	35,911	38,822
Social Services	231	272	382	455	548	762
Museums, Botanical, Zoological Gardens	53,572	61,883	65,533	65,639	68,509	74,723
Membership Organizations	67,159	66,121	72,502	80,453	77,912	83,066
Miscellaneous Services						

TABLE IV - 3
(cont.)

Labor Income by Industry	1978	1979	1980	1981	1982	1983
Government & Government Enterprises:						
Federal, Civilian	815,438	888,251	953,697	1,028,129	1,104,325	1,188,240
Military	221,649	241,491	257,806	278,354	282,249	298,500
State & Local	72,873	74,175	74,851	81,541	88,237	93,313
	520,916	572,585	621,040	668,434	733,839	796,427

(D) - Not disclosed to avoid disclosure of individual firms which may dominate an industrial sector.
(L) - Less than \$50,000.

- ¹ Total personal income less farm earnings equals nonfarm personal income.
- ² Midyear population estimates of the Bureau of the Census (excl. US gov't employees stationed outside the US.)
- ³ Labor income consists of wage and salary disbursements, other labor income, and proprietors' income.
- ⁴ Includes the capital consumption adjustment for rental income of persons.
- ⁵ Includes the inventory valuation and capital consumption adjustments. Proprietors are self-employed persons.
- ⁶ Includes fishing, hunting and trapping.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished, August 1984, and Keegan, Jackson and Johnson, Montana's Forest Products Industry, 1983, p. 71 for 1981 lumber and wood products.

FIGURE IV-2 MONTANA LABOR INCOME 1978-1983

Figure IV-2a
Farm Labor Income

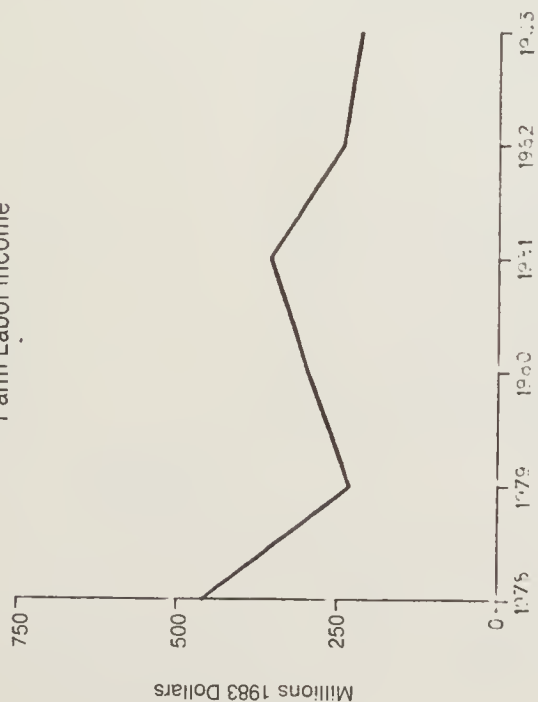


Figure IV-2b
Farm Proprietors Income

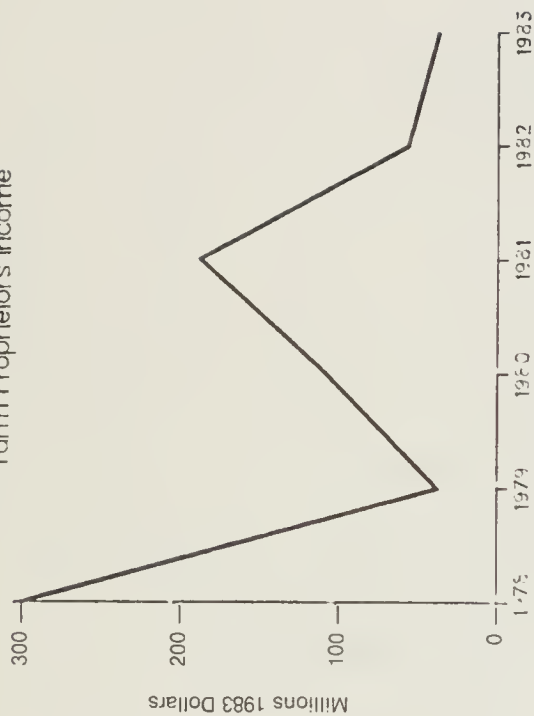


Figure IV-2c
Nonfarm Labor Income



Figure IV-2 (continued)
MONTANA LABOR INCOME
1978-1983

Figure IV-2d

Ag. Services, Forestry,
 Fishery
 Labor Income

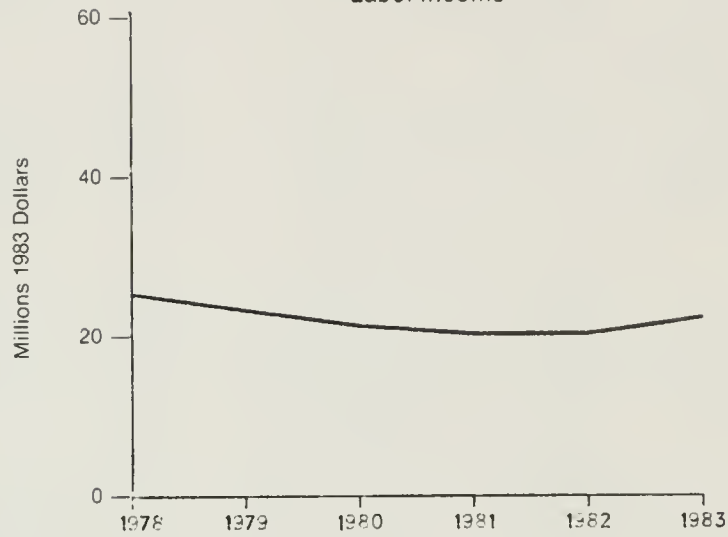
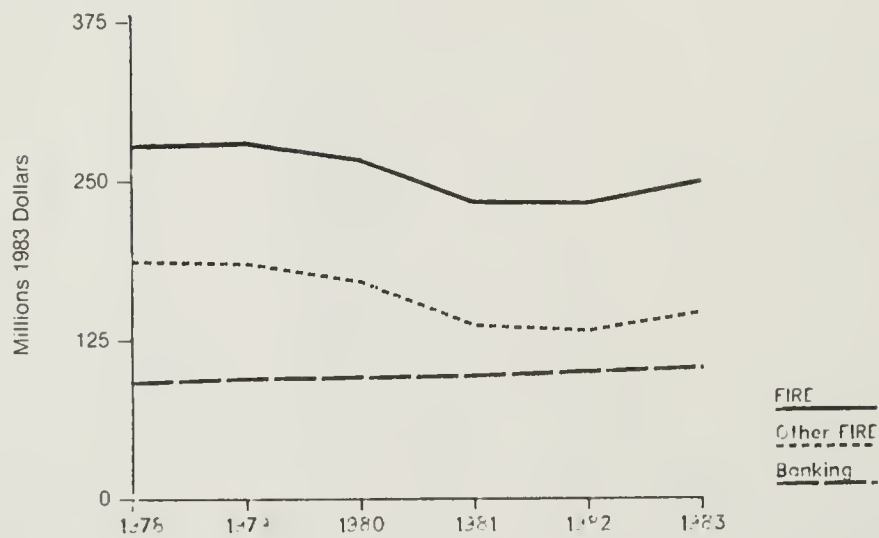


Figure IV-2e

Finance, Insurance, & Real Estate
 Labor Income



Source: U.S. Bureau of Economic Analysis.

Figure IV-2 (continued)
MONTANA LABOR INCOME
1978-1983

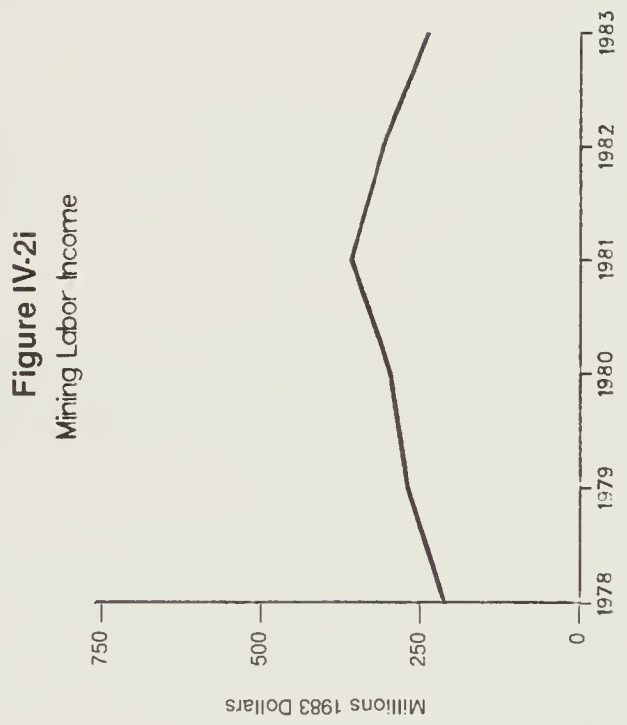
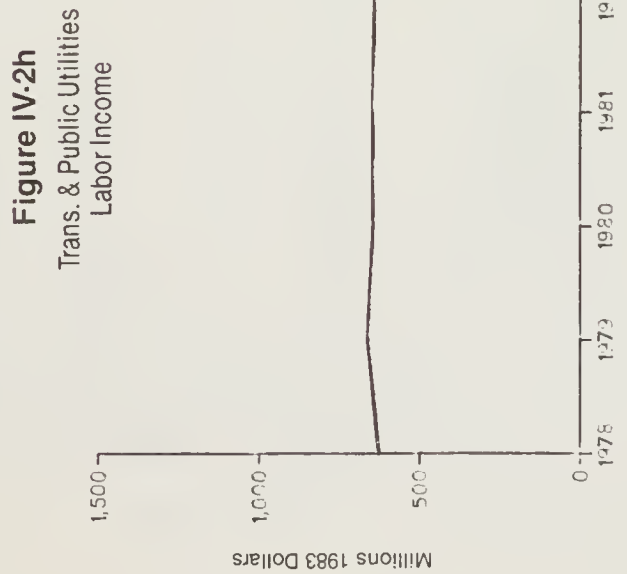
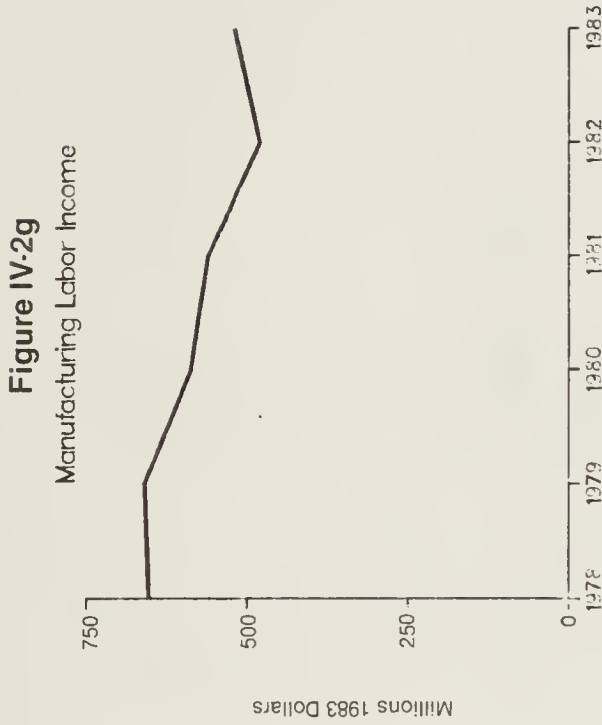
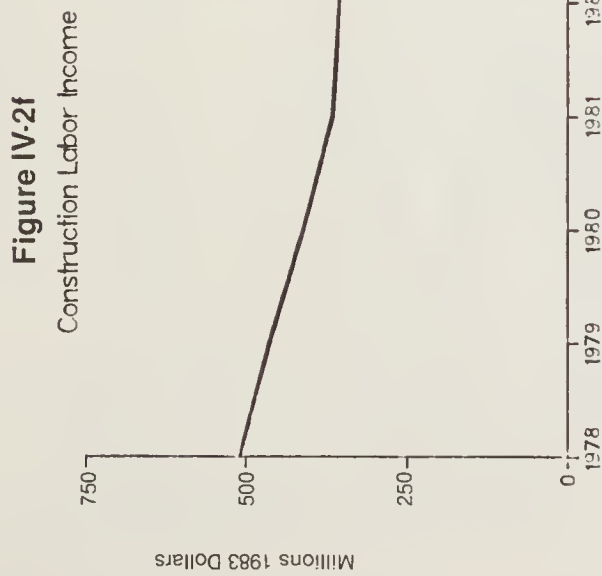


Figure IV-2 (continued)
MONTANA LABOR INCOME
1978-1983

Figure IV-2j
Government Labor Income

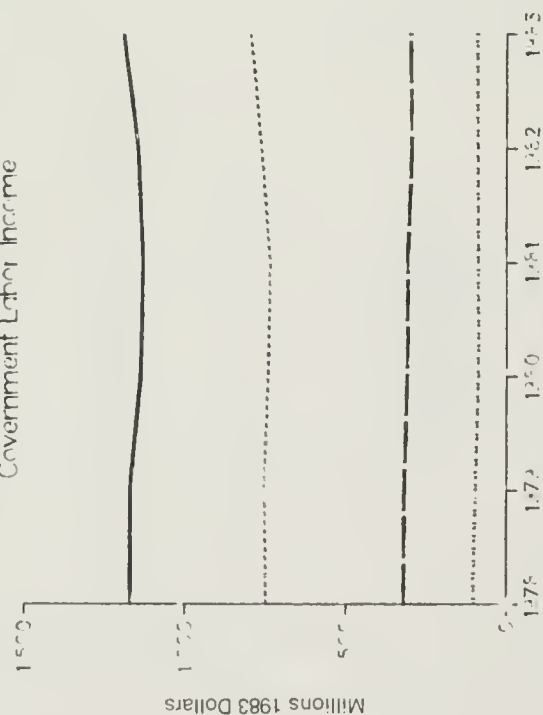


Figure IV-2k
Services Labor Income

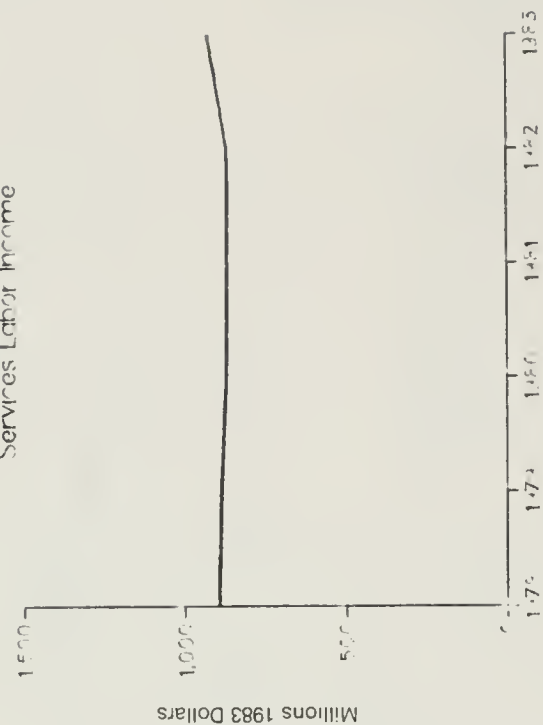


Figure IV-2l
Retail Trade Labor Income



Figure IV-2m
Wholesale Trade Labor Income

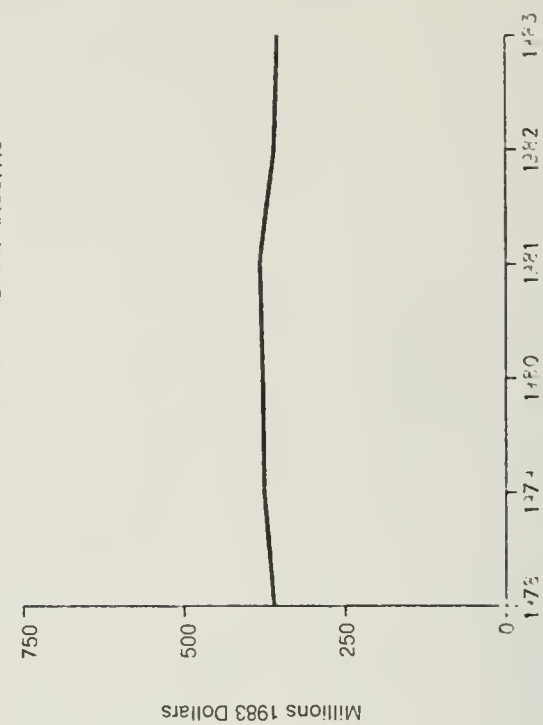


TABLE IV - 4

MONTANA LABOR INCOME BY INDUSTRY: 1978 - 1983
(thousands of constant 1983 dollars)

Item	1978	1979	1980	1981	1982	1983
Total Personal Income:						
Nonfarm Personal Income	\$7,866,561	\$7,826,914	\$7,846,690	\$8,087,400	\$8,026,169	\$8,123,988
Farm Income	7,406,841	7,596,799	7,550,560	7,732,947	7,784,518	7,909,821
	459,720	230,115	296,131	354,453	241,651	214,167
Population (to nearest 1,000)	782,000	787,000	788,000	796,000	805,000	815,000
Per Capita Personal Income, MT	\$10,060	\$ 9,945	\$ 9,958	\$10,160	\$9,970	\$9,968
Per Capita Personal Income, US	11,134	11,371	11,329	11,579	11,523	11,685
MT/US Per Capita Personal Income	90.3%	87.5%	87.9%	87.8%	86.5%	85.3%
Labor Income by Industry:						
Farm	\$ 459,720	\$ 230,115	\$ 296,131	\$ 354,453	\$ 241,651	\$ 214,167
Nonfarm	5,419,049	5,467,549	5,243,722	5,157,256	4,993,265	5,077,100
Private:						
Ag. Serv., For., Fish.	25,073	22,964	21,173	20,257	20,451	22,197
Mining	208,931	265,540	292,972	354,100	304,931	234,823
Construction	508,728	462,698	410,191	363,697	354,271	351,361
Manufacturing	652,009	658,336	586,429	559,266	478,842	518,492
Trans. & Public Utilities	627,348	661,269	642,731	644,767	638,978	622,143
Wholesale Trade	359,680	375,305	376,704	380,551	358,530	353,458
Retail Trade	701,788	693,236	644,152	610,817	599,245	618,436
Finance, Ins. & Real Estate	273,119	274,995	261,681	229,131	227,827	244,538
Banking	89,556	92,658	94,076	95,059	98,121	100,698
Other Fin., Ins. Real Est.	183,563	182,337	167,606	134,072	129,706	143,840
Services	894,180	885,634	869,647	865,579	865,123	923,412
Govt. & Govt. Enterprises	1,168,193	1,167,572	1,138,043	1,129,092	1,145,067	1,188,240
Federal, Civilian	317,553	317,431	307,639	305,689	292,662	298,500
Military	104,398	97,500	89,319	89,329	91,492	93,313
State & Local	746,262	752,641	741,085	734,075	760,913	796,427

Implicit price deflator for personal consumption expenditures used for constant dollars.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished, August 1984. Constant dollar calculations by Census & Economic Information Center, Montana Dept. of Commerce, October, 1984.

TABLE IV - 5

AGRICULTURAL INCOME IN MONTANA: 1978 - 1983

	1978	1979	1980	1981	1982	1983
	(in thousands of current dollars)					
Farm Income, by Place of Residence	\$320,900	\$175,064	\$248,162	\$322,758	\$233,053	\$214,167
Farm Proprietors' Income	\$206,282	\$28,224	\$89,282	\$168,430	\$53,466	\$36,658
	(in thousands of constant 1983 dollars)					
Farm Income, by Place of Residence	\$459,720	\$230,115	\$296,130	\$354,453	\$241,651	\$214,167
Farm Proprietors' Income	\$295,519	\$37,099	\$106,540	\$184,970	\$55,439	\$36,658

NOTE: Farm income includes both proprietors' (self-employed) and wage earners' income. Implicit price deflators for personal consumption expenditures used to calculate constant 1983 dollars.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, August 1984. Constant dollars calculated by Census & Economic Information Center, Montana Dept. of Commerce.

TABLE IV - 6

MONTANA NONFARM PROPRIETORS' INCOME: 1978 - 1983
(in thousands of dollars)

Year	Current Dollars	Constant 1983 Dollars
1978	\$458,365	\$656,651
1979	447,072	587,658
1980	391,933	467,692
1981	313,615	344,413
1982	262,313	271,990
1983	300,523	300,523

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, 1984. Constant income calculations by the Census and Economic Information Center, Montana Dept. of Commerce, September 1984. GNP implicit price deflator for consumption used to calculate constant dollars.

TABLE IV - 7

MONTANA NONFARM PROPRIETORS' INCOME: 1978 - 1983
(in thousands of current dollars)

	1978	1979	1980	1981	1982	1983
Agri. Serv., For., Fish., & Other	\$ 7,909	\$ 7,048	\$ 6,502	\$ 4,897	\$ 4,187	\$ 4,682
Mining	3,140	27,643	26,809	21,232	23,658	8,706
Construction	96,055	83,768	59,931	46,997	37,000	49,500
Manufacturing	20,143	19,142	15,282	13,292	6,633	8,284
Transportation & Public Utilities	31,384	30,273	29,071	30,482	34,716	42,677
Wholesale Trade	20,634	19,794	18,425	19,201	17,212	17,682
Retail Trade	74,220	25,945	67,891	48,506	41,346	46,036
Finance, Insur., & Real Estate	43,397	43,089	32,552	4,709	(5,744)	(977)
Total Services:	161,483	140,370	135,470	124,299	103,316	123,953
Business Services	43,345	56,148	51,496	33,621	21,181	27,238
Professional, Social & Related	108,138	84,222	83,974	90,678	82,135	96,715
TOTAL NONFARM PROPRIETORS' INCOME	\$458,365	\$447,072	\$391,933	\$313,615	\$262,313	\$300,523

NOTE: Proprietors are self-employed persons.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, August 1984.

TABLE IV - 8

MONTANA NONFARM PROPRIETORS' INCOME: 1978 - 1983
(in thousands of constant 1983 dollars)

	1978	1979	1980	1981	1982	1983
Agri. Serv., For., Fish., & Other	\$ 11,330	\$ 9,264	\$ 7,759	\$ 5,378	\$ 4,341	\$ 4,682
Mining	4,498	36,366	31,991	23,328	24,531	8,706
Construction	137,608	110,110	71,515	51,612	38,365	49,500
Manufacturing	28,857	25,161	18,236	14,586	6,878	8,284
Transportation & Public Utilities	44,961	39,793	34,690	33,475	35,997	42,677
Wholesale Trade	29,560	26,018	21,986	21,087	17,847	17,682
Retail Trade	106,327	99,827	81,014	53,269	42,871	46,036
Finance, Insur., & Real Estate	62,170	56,639	38,844	5,171	-5,967	-977
Total Services:	231,340	184,511	161,656	136,505	107,128	123,953
Business Services	76,422	73,804	61,450	36,923	21,962	27,238
Professional, Social & Related	154,918	110,707	100,206	99,583	85,165	96,715
TOTAL NONFARM PROPRIETORS' INCOME	\$656,652	\$587,659	\$467,692	\$344,412	\$271,991	\$300,523

NOTE: Proprietors are self-employed persons.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, August 1984.

TABLE IV - 9

MONTANA FAMILIES BY INCOME: 1959, 1969 & 1979
(current dollars)

Group	1959		1969		1979	
	Dollars	Percent	Dollars	Percent	Dollars	Percent
All Families	165,777	100.0	171,812	100.0	207,525	100.0
Less than \$5,000	73,467	44.3	37,870	22.0	14,918	7.2
\$5,000 - \$9,999	73,260	44.2	67,867	39.5	29,746	14.3
\$10,000 - \$14,999	13,790	8.3	42,564	24.8	34,648	16.7
\$15,000 - \$24,999	4,008	2.4	18,440	10.7	67,706	32.6
\$25,000 - \$49,999	1,252*	0.8*	4,159	2.4	52,802	25.4
\$50,000 & Over	(NA)	(NA)	912	0.5	7,705	3.7
Median Family Income	5,403	(X)	8,512	(X)	18,413	(X)

* Tabulated as \$25,000 or more in 1959.

SOURCE: U.S. Bureau of the Census, Census of Population: 1970 & 1980, Computer Tapes; 1960, V.1, Pt.28.

Table IV-10

Economic Characteristics for American Indian Persons on Reservations: 1980

Reservations

Reservations

	Percent in labor force					Families		Median income in 1979 (dollars)			Income in 1979 below poverty level				
	Male, 16 years and over	Female, 16 years and over				Total	Percent with no workers in 1979	Households	Families		Persons for whom poverty status is determined		Families		
		Total	With own children under 6 years						Total		Female householder with no husband present	Total	Percent	Total	Female householder, no husband present
Blackfeet Reservation, Mont	71.1	53.4	53.3	160	14.7	1 079	9.1	10 471	11 543	10 360	3 293	1 838	36.7	315	88
Glacier County (pt.)	72.9	53.5	51.7	155	14.3	984	9.0	10 385	11 439	10 508	3 369	1 559	34.9	275	81
Pondera County (pt.)	57.5	52.7	71.4	207	18.4	95	9.5	15 000	17 716	3 750	2 666	279	50.8	40	7
Crow Reservation, Mont	64.3	45.8	46.1	198	35.2	719	3.2	13 992	15 160	9 773	3 011	1 348	33.1	213	72
Big Horn County (pt.)	64.2	45.9	46.7	198	35.3	701	3.3	13 992	15 160	10 156	3 006	1 288	32.4	204	68
Yellowstone County (pt.)	70.0	41.4	—	206	30.3	18	—	17 500	17 500	3 750	3 215	60	59.4	9	4
Flathead Reservation, Mont	63.0	44.8	58.1	188	20.2	688	17.0	10 439	10 826	4 247	3 129	1 401	40.5	237	149
Flathead County (pt.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lake County (pt.)	62.4	46.2	59.4	183	20.1	606	17.2	10 313	10 650	4 190	3 179	1 320	42.6	211	142
Missoula County (pt.)	62.7	36.2	100.0	269	27.1	59	18.6	11 319	12 014	4 821	2 326	47	15.0	15	7
Sanders County (pt.)	91.3	—	—	124	—	23	8.7	5 625	5 625	—	5 179	34	73.9	11	—
Fort Belknap Reservation, Mont	46.4	47.7	33.3	245	8.9	353	20.4	6 486	8 011	5 156	2 455	802	47.0	149	67
Blaine County (pt.)	47.3	48.2	33.3	241	9.1	329	19.5	6 297	7 557	5 234	2 416	786	48.1	141	59
Phillips County (pt.)	—	41.7	—	367	—	24	33.3	15 625	11 429	4 844	3 376	16	22.9	8	8
Fort Peck Reservation, Mont	65.6	48.9	54.0	197	25.2	954	7.7	11 516	11 500	7 500	3 268	1 478	33.7	256	126
Daniels County (pt.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Roosevelt County (pt.)	67.3	48.5	57.4	191	26.6	851	7.8	11 458	11 286	7 531	3 378	1 295	34.2	228	116
Shenando County (pt.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Valley County (pt.)	53.8	51.7	20.0	242	14.9	103	6.8	12 344	13 750	2500—	2 558	183	30.8	28	10
Northern Cheyenne Reservation, Mont	53.8	56.1	65.1	233	15.7	612	17.5	8 304	9 336	5 375	2 512	1 238	41.8	255	116
Big Horn County (pt.)	49.1	70.8	72.0	191	13.9	154	24.0	11 111	11 852	5 694	2 944	191	26.6	49	14
Rosebud County (pt.)	55.1	50.5	62.2	250	16.4	458	15.3	7 521	8 458	5 238	2 373	1 047	46.7	206	102
Rocky Bay's Reservation, Mont	54.1	37.5	47.2	289	11.3	256	4.7	15 032	15 156	7 292	2 902	515	35.6	78	39
Chouteau County (pt.)	76.6	26.8	—	189	—	26	—	8 750	9 643	6 250	2 459	37	27.2	7	7
Hill County (pt.)	51.2	38.7	50.4	304	13.0	230	5.2	15 645	15 729	8 125	2 948	478	36.5	71	32
Other reservation lands in Montana	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Big Horn County (pt.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Source: U.S. Bureau of the Census, 1980 Census, *General Social and Economic Characteristics, Montana*, Table 193.

FIGURE IV-3 MONTANA INCOME, WITH COMPARISONS 1979

Figure IV-3a

1979 Median Household Income

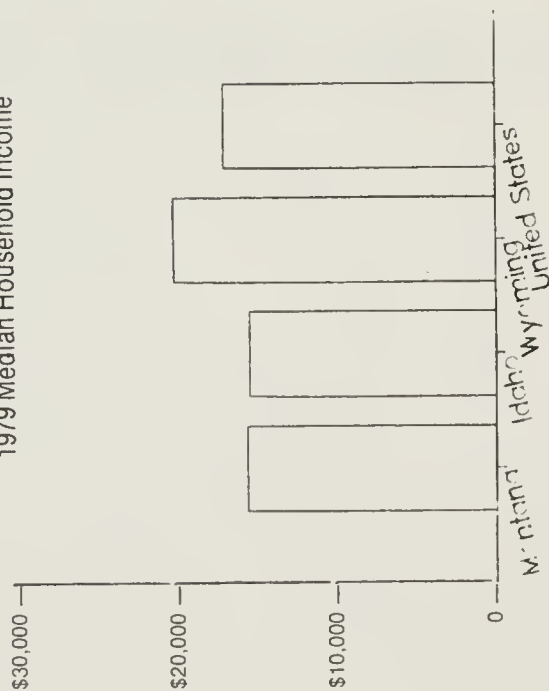


Figure IV-3b

1979 Median Family Income

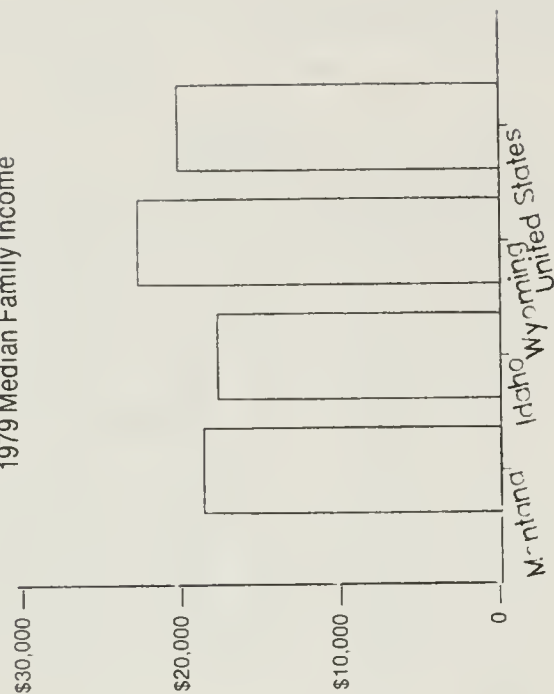
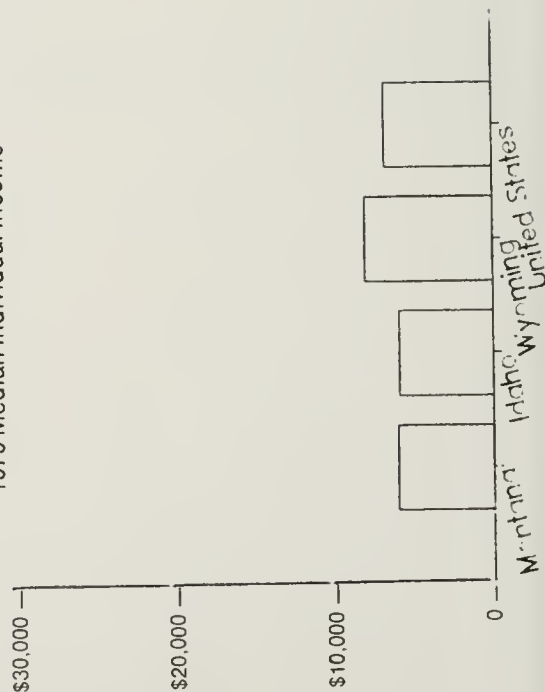


Figure IV-3c

1979 Median Individual Income



Source: U.S. Bureau of The Census.

MONTANA MEAN ANNUAL INCOME IN 1969 BY AGE, SEX, & YEAR OF SCHOOL COMPLETED: 1970

Group	Total	Elementary		High School		College	
		8 Yrs	1-3 Yrs	4 Yrs	1-3 Yrs	4 Yrs	5+
Total 18 Yrs & Over:							
Males w/Income	211,813	33,674	32,708	63,390	32,242	13,683	11,203
Mean Income	\$6,866	\$5,782	\$5,969	\$7,254	\$6,457	\$10,014	\$12,164
Females w/Income	146,991	17,482	23,054	52,711	28,454	11,364	3,684
Mean Income	\$2,706	\$1,918	\$2,053	\$2,704	\$2,885	\$4,616	\$6,062
Total 18-24 Yrs:							
Males w/Income	34,778	793	6,090	13,942	11,257	1,654	472
Mean Income	\$3,040	\$3,063	\$2,256	\$3,407	\$2,878	\$3,686	\$4,723
Females w/Income	28,065	362	4,509	12,328	8,711	1,615	235
Mean Income	\$1,790	\$1,275	\$1,155	\$1,800	\$1,774	\$3,503	\$3,463
Total 25-34 Yrs:							
Males w/Income	39,316	1,963	5,011	15,905	7,377	4,428	3,721
Mean Income	\$7,459	\$6,122	\$6,773	\$7,500	\$7,074	\$8,622	\$8,853
Females w/Income	22,149	886	3,510	9,719	3,955	2,803	795
Mean Income	\$2,716	\$1,760	\$2,039	\$2,455	\$2,709	\$4,423	\$4,648
Total 35-44 Yrs:							
Males w/Income	36,658	4,536	5,979	14,161	4,502	2,839	3,083
Mean Income	\$9,260	\$7,573	\$7,849	\$9,192	\$9,390	\$12,677	\$13,124
Females w/Income	21,674	1,509	\$3,630	9,589	3,743	1,897	671
Mean Income	\$3,069	\$2,136	\$2,411	\$2,966	\$3,256	\$4,348	\$6,345
Total 45-54 Yrs:							
Males w/Income	38,454	6,959	6,400	13,928	4,320	2,352	2,160
Mean Income	\$9,051	\$7,173	\$7,425	\$9,075	\$10,300	\$13,197	\$16,297
Females w/Income	23,167	2,549	3,344	9,615	4,379	1,769	728
Mean Income	\$3,647	\$2,558	\$2,621	\$3,481	\$4,325	\$5,684	\$6,933
Total 55-64 Yrs:							
Males w/Income	31,547	8,835	5,307	7,851	2,736	1,402	1,118
Mean Income	\$7,599	\$6,412	\$6,878	\$8,014	\$9,042	\$12,401	\$16,763
Females w/Income	20,186	3,551	3,247	6,059	3,447	1,630	739
Mean Income	\$3,434	\$2,132	\$2,428	\$3,580	\$3,915	\$6,022	\$7,682
Total 65 & Over:							
Males w/Income	31,060	10,588	3,921	3,603	2,050	1,008	649
Mean Income	\$4,123	\$3,714	\$4,234	\$4,744	\$5,905	\$8,263	\$10,315
Females w/Income	31,750	8,625	4,814	5,401	4,219	1,650	516
Mean Income	\$2,113	\$1,646	\$1,988	\$2,385	\$2,682	\$3,810	\$5,509

SOURCE: U.S. Bureau of the Census, 1970 Census, Characteristics of the Population, Montana, Table 197.

TABLE IV - 12

MONTANA MEAN ANNUAL INCOME IN 1979 BY AGE, SEX, YEAR OF SCHOOL COMPLETED, & RACE: 1980

Group	Total	Elementary 8 Yrs	High School		College		
			1-3 Yrs	4 Yrs	1-3 Yrs	4 Yrs	5 & 6 7+
<u>Total 18 Yrs & Over:</u>							
<u>Males w/Income</u>	266,610	24,424	31,596	101,375	50,703	24,454	8,258
Mean Income	\$14,256	\$11,203	\$11,161	\$14,074	\$13,754	\$18,733	\$27,461
<u>Females w/Income</u>	220,805	15,640	26,845	89,463	28,838	22,040	1,569
Mean Income	\$6,101	\$4,301	\$4,588	\$5,829	\$6,424	\$8,199	\$12,377
<u>Total 18-24 Yrs:</u>							
<u>Males w/Income</u>	49,727	754	8,814	24,819	12,564	1,948	2
Mean Income	\$7,209	\$5,929	\$4,953	\$8,221	\$6,730	\$8,408	\$5,255
<u>Females w/Income</u>	43,396	473	6,150	21,044	12,376	2,664	5
Mean Income	\$4,242	\$3,083	\$2,823	\$4,349	\$4,278	\$6,334	\$6,525
<u>Total 25-34 Yrs:</u>							
<u>Males w/Income</u>	66,265	985	3,890	23,790	18,295	10,920	2,432
Mean Income	\$14,438	\$10,540	\$12,681	\$14,409	\$13,622	\$15,474	\$19,941
<u>Females w/Income</u>	49,175	394	3,232	18,844	13,282	8,977	516
Mean Income	\$6,588	\$4,424	\$4,682	\$5,921	\$6,387	\$8,027	\$11,745
<u>Total 35-44 Yrs:</u>							
<u>Males w/Income</u>	43,970	1,985	3,855	17,542	7,873	5,227	2,581
Mean Income	\$19,055	\$14,516	\$15,819	\$17,456	\$18,836	\$22,511	\$30,772
<u>Females w/Income</u>	32,615	914	3,641	14,757	6,734	3,711	427
Mean Income	\$7,133	\$5,049	\$5,870	\$6,497	\$7,409	\$8,448	\$14,558
<u>Total 45-54 Yrs:</u>							
<u>Males w/Income</u>	35,631	3,768	5,073	14,285	4,632	2,981	1,581
Mean Income	\$19,868	\$15,469	\$16,924	\$18,966	\$20,320	\$27,335	\$32,357
<u>Females w/Income</u>	25,915	1,616	3,267	12,068	5,080	2,099	231
Mean Income	\$7,619	\$4,905	\$5,845	\$7,413	\$8,404	\$9,551	\$12,735
<u>Total 55-64 Yrs:</u>							
<u>Males w/Income</u>	34,746	6,234	4,828	13,060	4,204	1,965	1,107
Mean Income	\$17,285	\$13,834	\$13,920	\$17,057	\$19,843	\$25,532	\$31,617
<u>Females w/Income</u>	26,578	2,852	3,781	11,428	4,681	1,790	156
Mean Income	\$6,923	\$4,663	\$5,262	\$6,570	\$8,121	\$10,225	\$14,458
<u>Total 65 & Over:</u>							
<u>Males w/Income</u>	36,271	10,698	5,106	7,879	3,135	1,413	555
Mean Income	\$9,355	\$7,985	\$8,840	\$10,155	\$12,047	\$16,581	\$22,854
<u>Females w/Income</u>	43,126	9,391	6,774	11,322	6,685	2,810	234
Mean Income	\$5,219	\$4,071	\$4,475	\$5,117	\$6,786	\$7,889	\$10,087

TABLE IV - 12
(cont.)

(White)	Total	Elementary		High School		College		
		8 Yrs	1-3 Yrs	4 Yrs	1-3 Yrs	4 Yrs	5 & 6	7+
<u>Total 18 Yrs & Over:</u>								
Males w/Income	255,104	23,322	29,191	97,379	48,684	24,109	13,390	8,108
Mean Income	\$14,485	\$11,330	\$11,475	\$14,244	\$13,906	\$18,841	\$19,156	\$27,594
Females w/Income	210,181	14,602	24,594	85,666	46,944	21,588	8,726	1,509
Mean Income	\$6,170	\$4,237	\$4,648	\$5,875	\$6,445	\$8,234	\$10,363	\$12,476
<u>White 18-24 Yrs:</u>								
Males w/Income	46,690	573	7,919	23,568	11,997	1,884	480	2
Mean Income	\$7,371	\$6,480	\$5,173	\$8,360	\$6,780	\$8,486	\$7,490	\$5,255
Females w/Income	40,703	341	5,410	19,742	11,946	2,619	394	--
Mean Income	\$4,303	\$3,205	\$2,863	\$4,401	\$4,296	\$6,345	\$6,993	--
<u>White 25-34 Yrs:</u>								
Males w/Income	62,926	829	3,240	22,545	17,466	10,721	5,219	2,359
Mean Income	\$14,649	\$10,841	\$13,494	\$14,600	\$13,775	\$15,546	\$15,266	\$20,193
Females w/Income	46,297	291	2,769	17,711	12,555	8,791	3,318	503
Mean Income	\$6,691	\$4,405	\$4,783	\$5,973	\$6,456	\$8,083	\$9,018	\$11,635
<u>White 35-44 Yrs:</u>								
Males w/Income	41,997	1,789	3,553	16,827	7,499	5,203	3,825	2,523
Mean Income	\$19,330	\$15,142	\$16,267	\$17,598	\$19,014	\$22,550	\$21,649	\$30,813
Females w/Income	30,705	764	3,240	14,080	6,392	3,579	1,882	413
Mean Income	\$7,213	\$5,392	\$5,977	\$6,542	\$7,345	\$8,505	\$11,050	\$14,806
<u>White 45-54 Yrs:</u>								
Males w/Income	34,485	3,569	4,871	13,905	4,458	2,950	1,832	1,569
Mean Income	\$20,136	\$15,704	\$17,020	\$19,075	\$20,690	\$27,483	\$25,392	\$32,399
Females w/Income	24,648	1,369	3,048	11,728	4,871	2,018	950	220
Mean Income	\$7,709	\$4,872	\$5,838	\$7,461	\$8,435	\$9,627	\$13,049	\$12,697
<u>White 55-64 Yrs:</u>								
Males w/Income	33,805	6,046	4,620	12,811	4,159	1,945	1,326	1,100
Mean Income	\$17,479	\$13,869	\$14,140	\$17,188	\$19,881	\$25,610	\$24,274	\$31,660
Females w/Income	25,711	2,691	3,560	11,227	4,554	1,787	1,097	151
Mean Income	\$6,992	\$4,677	\$5,315	\$6,586	\$8,172	\$10,233	\$12,408	\$14,893
<u>White 65 & Over:</u>								
Males w/Income	35,302	10,516	4,988	7,723	3,105	1,406	708	555
Mean Income	\$9,468	\$8,039	\$8,872	\$10,267	\$12,094	\$16,617	\$16,555	\$22,854
Females w/Income	42,117	9,146	6,567	11,178	6,626	2,794	1,085	222
Mean Income	\$5,240	\$4,104	\$4,493	\$5,107	\$6,780	\$7,850	\$10,087	\$8,187

TABLE IV - 12
(cont.)

(American Indian)	Total	Elementary		High School		College		
		8 Yrs	1-3 Yrs	4 Yrs	1-3 Yrs	4 Yrs	5 & 6	7+
<u>Total 18 Yrs & Over:</u>								
Males w/Income	9,076	932	2,118	3,141	1,555	159	178	56
Mean Income	\$8,871	\$8,487	\$7,132	\$9,876	\$10,084	\$12,431	\$14,993	\$21,864
Females w/Income	8,777	878	1,987	341	1,542	335	59	47
Mean Income	\$4,679	\$3,852	\$3,987	\$4,744	\$6,019	\$6,172	\$10,904	\$8,706
<u>Amer. Ind. 18-24 Yrs:</u>								
Males w/Income	2,299	147	804	883	375	17	--	--
Mean Income	\$4,182	\$2,082	\$2,799	\$5,215	\$5,636	\$4,747	--	--
Females w/Income	2,233	97	660	1,079	331	22	--	5
Mean Income	\$3,245	\$2,152	\$2,399	\$3,485	\$4,148	\$6,746	--	\$6,525
<u>Amer. Ind. 25-34 Yrs:</u>								
Males w/Income	2,597	132	570	1,020	673	92	55	17
Mean Income	\$9,938	\$8,982	\$8,326	\$10,402	\$10,318	\$11,846	\$12,471	\$4,711
Females w/Income	2,362	73	400	955	624	144	26	6
Mean Income	\$4,899	\$4,663	\$4,153	\$5,012	\$5,347	\$5,656	\$9,149	\$12,005
<u>Amer. Ind. 35-44 Yrs:</u>								
Males w/Income	1,594	149	309	595	303	19	70	35
Mean Income	\$13,072	\$9,714	\$10,778	\$14,203	\$15,576	\$12,215	\$12,487	\$30,313
Females w/Income	1,612	142	354	569	278	113	19	14
Mean Income	\$5,716	\$3,339	\$5,295	\$5,628	\$8,052	\$5,903	\$14,543	\$7,262
<u>Amer. Ind. 45-54 Yrs:</u>								
Males w/Income	1,051	187	159	321	135	21	26	4
Mean Income	\$11,760	\$11,054	\$15,123	\$14,791	\$7,596	\$15,264	\$21,359	\$20,845
Females w/Income	1,016	236	198	258	151	43	8	5
Mean Income	\$5,763	\$5,204	\$6,051	\$5,453	\$8,280	\$7,456	\$13,372	\$20,165
<u>Amer. Ind. 55-64 Yrs:</u>								
Males w/Income	751	164	188	185	45	10	--	--
Mean Income	\$10,451	\$13,295	\$9,443	\$10,772	\$16,357	\$25,338	--	--
Females w/Income	684	143	181	160	103	3	6	5
Mean Income	\$4,940	\$4,429	\$4,833	\$5,931	\$6,658	\$5,705	\$3,695	\$1,305
<u>Amer. Ind. 65 & Over:</u>								
Males w/Income	784	153	88	137	24	--	27	--
Mean Income	\$5,160	\$4,729	\$8,619	\$4,492	\$5,934	--	\$20,495	--
Females w/Income	870	187	194	120	55	10	--	12
Mean Income	\$4,365	\$2,660	\$3,765	\$6,636	\$7,221	\$10,017	--	\$7,960

TABLE IV - 13

MONTANA MEAN WEEKLY EARNINGS OF FULL-TIME WORKERS
BY SEX, AGE & EDUCATION: 1979

Group	Total	Elementary		High School		College		
		0-7 Yrs	8 Yrs	1-3 Yrs	4 Yrs	1-3 Yrs	4 Yrs	5 & 6 7+
<u>Age 18 Yrs & Over:</u>								
Male	\$339	\$287	\$310	\$310	\$317	\$323	\$387	\$406
Female	\$196	\$158	\$146	\$164	\$179	\$196	\$244	\$291
% Female to Male	57.8%	55.1%	47.1%	52.9%	56.5%	60.7%	63.1%	71.7%
<u>Age 18-24 Yrs:</u>								
Male	\$221	\$166	\$207	\$201	\$219	\$233	\$251	\$257
Female	\$156	\$135	\$133	\$136	\$148	\$162	\$211	\$190
% Female to Male	70.6%	81.3%	64.3%	67.7%	67.6%	69.5%	84.1%	73.9%
<u>Age 25-34 Yrs:</u>								
Male	\$317	\$280	\$266	\$310	\$312	\$302	\$327	\$334
Female	\$201	\$166	\$159	\$159	\$178	\$193	\$239	\$263
% Female to Male	63.4%	59.3%	59.8%	51.3%	57.1%	63.9%	73.1%	78.7%
<u>Age 35-44 Yrs:</u>								
Male	\$387	\$309	\$335	\$347	\$356	\$373	\$426	\$426
Female	\$207	\$145	\$150	\$173	\$186	\$215	\$255	\$306
% Female to Male	53.5%	46.9%	44.9%	49.9%	52.2%	57.4%	59.9%	71.8%
<u>Age 45-54 Yrs:</u>								
Male	\$403	\$329	\$335	\$362	\$378	\$388	\$521	\$509
Female	\$216	\$165	\$146	\$181	\$208	\$218	\$265	\$355
% Female to Male	53.6%	50.2%	43.6%	50.0%	55.0%	56.2%	50.9%	65.9%
<u>Age 55 - 64 Yrs:</u>								
Male	\$378	\$320	\$323	\$324	\$360	\$404	\$496	\$517
Female	\$213	\$167	\$149	\$175	\$196	\$227	\$288	\$340
% Female to Male	56.4%	52.2%	46.1%	54.0%	54.4%	56.2%	56.1%	65.8%
<u>Age 65 Yrs & Over:</u>								
Male	\$294	\$164	\$247	\$303	\$317	\$336	\$417	\$368
Female	\$184	\$163	\$133	\$144	\$199	\$206	\$269	\$176
% Female to Male	62.6%	99.4%	53.9%	47.5%	62.8%	61.3%	64.5%	47.8%

* Figure based on extremely small base

SOURCE: U.S. Bureau of the Census, 1980 Census, Detailed Population Characteristics, Montana, Table 237.

TABLE IV - 14

MONTANA MEDIAN ANNUAL INCOME BY TYPE OF HOUSEHOLDER
1979

Families	Number	Median Income
<u>Total Families:</u>	207,525	\$18,413
<u>Married Couple Families:</u>	181,368	\$19,558
Wife in Labor Force	86,670	22,223
w/children under 18	49,430	22,223
w/children under 6	19,935	19,789
Wife not in Labor Force	94,698	16,676
w/children under 18	46,566	18,371
w/children under 6	27,059	16,455
<u>Married Householder, No Wife Present:</u>	6,205	\$16,670
w/children under 18	2,852	16,302
w/children under 6	820	14,261
<u>Female Householder, No Husband Present:</u>	19,952	\$9,157
In Labor Force	13,172	10,092
w/children under 18	9,803	8,942
w/children under 6	3,031	6,595
Not in Labor Force	6,780	6,864
w/children under 18	3,318	4,290
w/children under 6	1,673	3,310

SOURCE: U.S. Bureau of the Census, 1980 Census, Detailed Population Characteristics
Montana.

MONTANA SOURCE OF INCOME & PERCENTAGE OF 1980 FAMILIES RECEIVING EACH TYPE
BY AGE, RACE, & SEX OF HOUSEHOLDER, & INCOME LEVEL: 1979 EARNINGS

Group	FAMILIES				FAMILIES W/FEMALE HOUSEHOLDER (NO HUSBAND PRESENT)			
	Age of Householder (Yrs)				Age of Householder (Yrs)			
	Total	15-24	25-64	65+	Total	15-24	25-64	65+
<u>All Income Levels:</u>								
Total Families	207,525	15,146	163,308	29,071	19,952	2,134	15,373	2,445
Mean Family Income	\$20,659	\$13,356	\$22,404	\$14,660	\$11,047	\$5,693	\$11,481	\$12,987
% of Aggregate Family Income:								
Earnings	84.6%	95.3%	89.7%	36.2%	70.7%	75.1%	75.1%	44.7%
Wage & Salary	71.7%*	90.2%	76.1%	25.3%	65.8%	74.8%	70.2%	38.0%
Self-Employment	12.9%	5.1%	13.6%	10.9%	4.9%	0.3%	4.9%	6.7%
Social Security	4.5%	0.4%	1.6%	31.4%	8.7%	3.4%	5.7%	27.6%
Public Assistance	0.5%	1.1%	0.4%	1.1%	1.6%	12.3%	3.8%	2.2%
Other Income	10.4%	3.2%	8.3%	31.3%	19.0%	9.2%	15.4%	25.5%
% Families Receiving Income of Specified Types:								
Earnings	90.1%	96.4%	96.2%	52.3%	84.6%	78.0%	88.2%	67.3%
Wage & Salary	83.3%*	94.9%	89.4%	42.7%	81.5%	77.7%	85.4%	60.7%
Self-employment	25.1%	10.8%	27.6%	18.6%	9.3%	0.9%	9.5%	15.7%
Social Security	20.4%	2.4%	9.8%	89.5%	26.1%	6.2%	18.8%	89.4%
Public Assistance	5.0%	8.1%	4.4%	6.5%	19.8%	35.0%	18.5%	14.3%
Other Income	65.9%	38.2%	63.2%	95.2%	63.8%	32.8%	65.2%	82.3%
<u>Income Below Poverty Level:</u>								
Total Families	19,019	2,701	14,153	2,165	6,072	1,317	4,408	347
Mean Income	\$3,187	\$3,338	\$3,133	\$3,359	\$3,229	\$2,695	\$3,374	\$3,409
% of Aggregate Family Income:								
Earnings	60.4%	73.8%	66.2%	8.4%	50.0%	50.6%	53.2%	9.0%
Wage & Salary	68.4%	70.4%	77.3%	11.4%	51.2%	50.4%	54.3%	14.4%
Self-employment	-8.0%	3.4%	-11.1%	-3.0%	-1.2%	0.2%	-1.1%	-5.4%
Social Security	15.0%	1.4%	8.3%	72.7%	8.7%	1.6%	6.5%	57.9%
Public Assistance	12.4%	17.9%	12.1%	7.1%	27.4%	40.7%	24.7%	18.6%
Other Income	12.2%	6.9%	13.4%	11.8%	13.9%	7.1%	15.6%	14.5%
% Families Receiving Income of Specific Types:								
Earnings	74.4%	81.4%	79.7%	31.4%	67.6%	65.5%	69.6%	50.4%
Wage & Salary	62.4%	78.4%	65.3%	23.9%	64.5%	64.7%	66.5%	38.6%
Self-employment	25.5%	5.8%	31.4%	11.1%	5.7%	1.1%	5.8%	21.9%
Social Security	17.2%	2.9%	9.9%	82.2%	12.8%	2.2%	10.6%	81.0%
Public Assistance	19.6%	30.5%	18.3%	14.4%	39.9%	49.7%	37.7%	31.7%
Other Income	37.5%	24.2%	39.8%	39.7%	33.8%	21.6%	26.5%	41.2%

* These items are read as follows: For Montana families of all income levels, 71.6% of total family income came from wage and salary earnings, and 83.3% of all families received some income from wages and salaries.

** Negative mean income from farm and ranch self-employment.

TABLE IV - 15
(cont.)

Group	FAMILIES				FAMILIES W/FEMALE HOUSEHOLDER (NO HUSBAND PRESENT)			
	Age of Householder (Yrs)				Age of Householder (Yrs)			
	Total	15-24	25-64	65+	Total	15-24	25-64	65+
<u>White - All Income Levels:</u>								
Total Families	198,336	14,098	155,989	28,249	17,649	1,769	13,619	2,261
Mean Family Income	\$20,951	\$13,740	\$23,147	\$14,735	\$11,463	\$5,723	\$12,683	\$13,370
% of Aggregate Family Income:								
Earnings	84.6%	95.5%	89.7%	35.7%	70.4%	75.1%	75.1%	44.0%
Wage & Salary	71.5%	90.2%	75.9%	24.8%	65.3%	74.7%	70.0%	37.3%
Self-Employment	13.1%	5.3%	13.8%	10.9%	5.1%	0.4%	5.1%	6.7%
Social Security	4.5%	0.4%	1.6%	31.6%	9.0%	3.3%	5.9%	27.8%
Public Assistance	0.4%	0.9%	0.4%	1.0%	3.4%	11.8%	3.2%	1.8%
Other Income	10.5%	3.2%	8.3%	31.7%	17.2%	9.8%	15.8%	26.4%
% Families Receiving Income of Specified Types:								
Earnings	90.2%	97.1%	96.4%	51.9%	85.6%	79.8%	89.6%	66.3%
Wage & Salary	83.2%	95.6%	89.4%	42.2%	82.4%	79.7%	86.5%	59.8%
Self-employment	25.7%	11.3%	28.3%	18.7%	10.0%	0.6%	10.1%	16.4%
Social Security	20.6%	2.2%	9.8%	89.7%	27.1%	5.4%	19.5%	90.3%
Public Assistance	4.3%	7.2%	3.7%	5.9%	17.4%	33.5%	16.3%	11.9%
Other Income	66.6%	38.6%	63.7%	96.2%	66.2%	33.7%	67.3%	85.1%
<u>White - Income Below Poverty Level:</u>								
Total Families	16,289	2,228	12,146	1,915	4,854	1,096	3,501	257
Mean Income	\$3,308	\$3,389	\$2,953	\$3,166	\$3,159	\$2,803	\$3,278	\$3,061
% of Aggregate Family Income:								
Earnings	61.0%	75.4%	67.6%	3.7%	52.0%	54.8%	54.8%	0.3%
Wage & Salary	71.0%	71.6%	81.6%	7.5%	53.6%	54.7%	56.3%	8.7%
Self-employment	-10.0%	3.8%	-14.0%	-3.8%	-1.6%	0.1%	-1.5%	-8.4%
Social Security	16.2%	0.6%	8.8%	79.4%	8.8%	0.6%	6.7%	70.8%
Public Assistance	10.1%	17.1%	9.6%	4.0%	24.7%	35.1%	22.9%	11.5%
Other Income	12.7%	6.9%	14.0%	12.9%	14.5%	9.5%	15.6%	17.4%
% Families Receiving Income of Specified Types:								
Earnings	75.4%	83.4%	81.3%	28.7%	70.1%	68.8%	72.4%	44.8%
Wage & Salary	61.7%	80.6%	64.7%	20.3%	66.4%	68.6%	68.5%	29.6%
Self-employment	28.8%	5.8%	35.6%	12.2%	6.6%	0.5%	6.9%	28.8%
Social Security	17.2%	12.6%	9.8%	82.9%	11.9%	0.6%	10.3%	82.9%
Public Assistance	15.7%	29.3%	14.3%	9.2%	35.7%	47.2%	33.5%	16.3%
Other Income	38.2%	25.6%	40.0%	41.4%	34.9%	23.2%	37.7%	46.3%

TABLE IV - 15
(cont.)

Group	FAMILIES				FAMILIES W/FEMALE HOUSEHOLDER (NO HUSBAND PRESENT)			
	Age of Householder (Yrs)				Age of Householder (Yrs)			
	Total	15-24	25-64	65+	Total	15-24	25-64	65+
Amer. Ind., Eskimo & Aleut - All Income Levels:								
Total Families	7,579	840	6,036	703	2,097	312	1,603	182
Mean Family Income	\$14,101	\$8,268	\$15,157	\$12,004	\$7,872	\$5,927	\$8,172	\$8,326
% of Aggregate Family Income:								
Earnings	85.1%	88.2%	87.2%	59.7%	74.0%	78.5%	75.2%	59.5%
Wage & Salary	79.3%	87.1%	81.3%	49.6%	71.7%	78.4%	73.1%	51.9%
Self-Employment	5.8%	1.1%	5.9%	10.1%	2.3%	0.1%	2.1%	7.6%
Social Security	3.7%	1.9%	2.2%	22.3%	5.9%	3.8%	4.0%	20.5%
Public Assistance	3.4%	5.2%	3.1%	5.2%	10.9%	11.5%	10.6%	10.3%
Other Income	7.8%	4.7%	7.5%	12.8%	9.2%	6.2%	10.2%	9.7%
% Families Receiving Income of Specified Types:								
Earnings	89.0%	90.7%	91.1%	68.0%	78.5%	78.5%	78.4%	79.1%
Wage & Salary	86.8%	88.8%	89.1%	64.2%	77.4%	75.6%	78.3%	73.1%
Self-employment	11.3%	5.8%	11.7%	14.5%	4.3%	2.9%	4.4%	6.0%
Social Security	17.1%	7.0%	11.4%	78.0%	19.3%	9.0%	14.7%	77.5%
Public Assistance	20.8%	20.2%	20.2%	26.7%	37.7%	36.2%	37.2%	44.5%
Other Income	52.4%	35.8%	54.0%	58.2%	45.6%	30.8%	48.4%	47.3%
Amer. Ind., Eskimo & Aleut - Income Below Poverty Level:								
Total Families	2,331	380	1,727	224	1,111	176	847	88
Mean Income	\$4,171	\$3,203	\$4,299	\$4,834	\$3,586	\$2,025	\$3,774	\$4,402
% of Aggregate Family Income:								
Earnings	58.3%	65.0%	60.6%	34.8%	43.9%	27.7%	48.1%	26.2%
Wage & Salary	56.9%	63.7%	59.2%	33.6%	43.7%	27.2%	47.8%	26.2%
Self-employment	1.4%	2.7%	1.4%	1.2%	0.2%	0.5%	0.3%	0.0%
Social Security	9.4%	6.3%	6.1%	35.0%	8.8%	7.6%	6.2%	31.6%
Public Assistance	21.6%	20.4%	21.5%	23.9%	34.8%	53.4%	32.7%	33.4%
Other Income	10.7%	8.3%	11.8%	6.3%	12.5%	11.3%	13.0%	8.8%
% Families Receiving Income of Specific Types:								
Earnings	72.6%	79.5%	73.3%	55.4%	61.5%	61.9%	60.9%	65.9%
Wage & Salary	70.7%	75.3%	71.7%	55.4%	60.5%	56.8%	60.7%	65.9%
Self-employment	5.2%	6.8%	5.2%	2.7%	2.1%	5.1%	1.7%	0.0%
Social Security	17.4%	10.8%	11.7%	74.6%	16.7%	8.0%	12.5%	75.0%
Public Assistance	41.5%	31.8%	41.8%	55.8%	55.5%	55.0%	53.4%	77.3%
Other Income	36.2%	22.1%	40.3%	28.6%	30.4%	17.6%	33.4%	27.3%

NOTE: Families may have more than one source of income.

SOURCE: U.S. Bureau of the Census, 1980 Census, Detailed Population Characteristics, Montana, Tables 238, 245, 248, and 250.

TABLE IV - 16

MONTANA STATE GOVERNMENT SALARY ANALYSIS BY SEX, MARCH 1983
(University positions not included)

Group	Males	Females	Percent
Officials & Administrators:			
No. of Positions	393	68	14.7*
Avg. Starting Salary	\$25,695	\$21,405	83.3
Avg. Current Salary	\$31,638	\$25,478	80.5
Professionals:			
No. of Positions	1,840	908	33.0
Avg. Starting Salary	\$19,407	\$17,584	90.6
Avg. Current Salary	\$23,097	\$20,207	87.5
Technicians:			
No. of Positions	832	943	53.1
Avg. Starting Salary	\$15,447	\$13,541	87.7
Avg. Current Salary	\$18,399	\$15,823	85.9
Protective Services:			
No. of Positions	486	31	6.0
Avg. Starting Salary	\$15,314	\$13,699	89.5
Avg. Current Salary	\$17,890	\$15,058	84.1
Paraprofessionals:			
No. of Positions	321	619	65.9
Avg. Starting Salary	\$12,442	\$11,621	93.4
Avg. Current Salary	\$14,183	\$13,340	94.0
Office and Clerical:			
No. of Positions	206	1,548	88.3
Avg. Starting Salary	\$11,725	\$11,295	96.3
Avg. Current Salary	\$13,734	\$12,762	92.9
Skilled Crafts:			
No. of Positions	406	7	1.7
Avg. Starting Salary	\$19,515	\$13,893	71.2
Avg. Current Salary	\$21,011	\$15,957	75.9
Service/Maintenance:			
No. of Positions	629	111	15.0
Avg. Starting Salary	\$15,567	\$11,167	71.7
Avg. Current Salary	\$16,925	\$12,480	73.7
STATE TOTAL:			
No. of Positions	5,113	4,235	45.3
Avg. Starting Salary	\$17,647	\$13,372	75.7
Avg. Current Salary	\$20,632	\$15,343	74.4

* This column may be read as follows: Of the total employees in the Officials & Administrators category, 14.7% are female. The average starting salary for women is 83.3% of that for men. The average current salary for women is 80.5% of males' current salary.

SOURCE: Personnel Division, Montana Dept. of Administration, "Annual Report to the Governor on the Montana E.E.O. and Affirmative Action Program, for the period ending June 30, 1983".

MONTANA OCCUPATION OF EXPERIENCED LABOR FORCE BY EARNINGS BY SEX & RACE
1979

Occupation	TOTAL			WHITE			AMERICAN INDIAN		
	Males	Females	Ratio	Males	Females	Ratio	Males	Females	Ratio
Exec., Admin. & Manag.	\$19,684	\$11,124	56.5	\$19,779	\$11,127	56.3	\$16,183	\$10,568	65.3
Professional Specialty	18,336	12,548	68.4	18,502	12,622	68.2	12,068	9,378	77.7
Tech., Sales, Admin. Support	16,383	9,039	55.2	16,408	9,038	55.1	12,281	9,146	74.5
Technicians & Related Support	16,583	10,729	64.7	16,689	10,743	64.4	9,447	10,727	113.5
Sales Occupations	16,332	8,248	50.5	16,344	8,251	50.5	*12,845	*7,000	54.5
Admin. Support, inc. Clerical	16,337	9,080	55.6	16,347	9,083	55.6	15,097	9,093	60.2
Service Occupations	12,289	6,995	56.9	12,367	7,037	56.9	*11,073	6,771	61.1
Farming, Forestry & Fishing	9,758	4,880	50.0	9,762	4,865	49.8	9,762	*9,000	92.2
Precision Production, Craft & Repair Occupations	16,974	10,030	59.0	17,063	9,945	58.3	12,672	10,688	84.3
Operators, Fabric. & Laborers Machine Operators, Assemblers & Inspectors	16,409	7,683	46.8	16,452	7,903	48.0	13,351	5,605	42.0
Trans. & Material Moving Handlers, Equip. Cleaners, Helpers & Laborers	16,584 17,782 14,546	7,013 7,953 9,441	42.3 44.7 64.9	16,608 17,823 14,672	7,204 10,727 *9,755	43.4 60.2 66.5	11,569 16,114 12,537	*5,302 *7,382 *3,447	45.8 45.8 27.5

* Data base less than 100

SOURCE: U.S. Bureau of the Census, 1980 Census, Detailed Population Characteristics, Montana.

FIGURE IV-4 MONTANA INCOME 1979

Figure IV-4b

Family Income Distribution

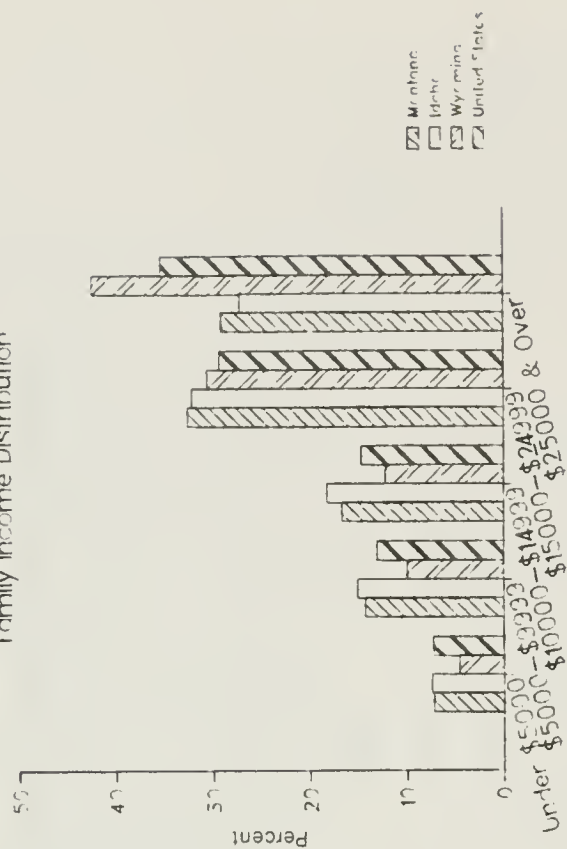


Figure IV-4a

Household Income Distribution

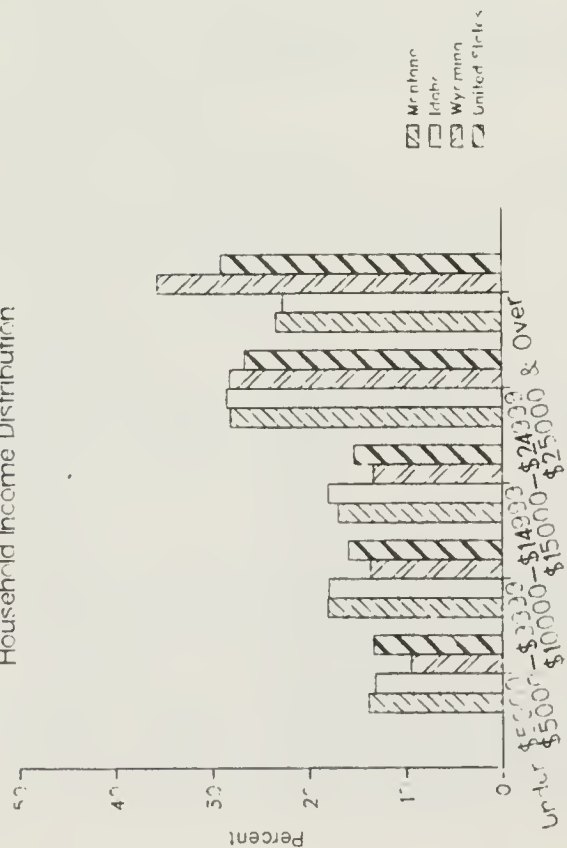


Figure IV-4c

Individual Income Distribution

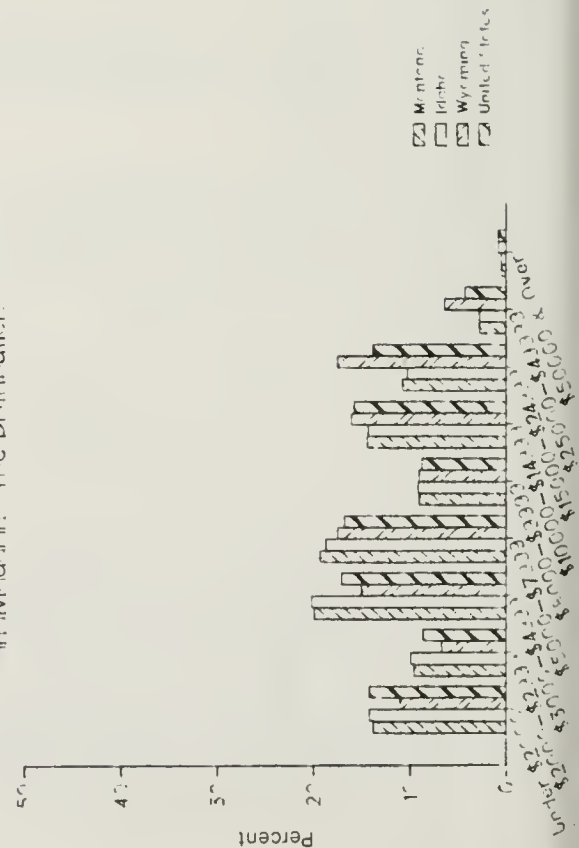


TABLE IV - 18

MONTANA HOUSEHOLDS WITH INCOME IN 1979 BY INCOME TYPE

Item	1979
Households, All Income Levels	285,034
Mean Income (dollars)	\$17,994
Households with Earnings [*]	238,920
Mean Income (dollars)	\$17,759
Households with Interest, Dividend, or Net Rental Income	113,770
Mean Income (dollars)	\$2,822
Households with Social Security Income	71,133
Mean Income (dollars)	\$4,013
Households with Public Assistance Income	14,256
Mean Income (dollars)	\$2,120
Households with All Other Income	68,608
Mean Income (dollars)	\$3,633

* Includes wage & salary, nonfarm self-employment, & farm self-employment earnings. Households may have more than one source of income.

SOURCE: U.S. Bureau of the Census, Census of Population: 1980, Computer Tape.

TABLE IV - 19

COMPARISON OF HOUSEHOLD INCOME DISTRIBUTION
U.S., MONTANA, IDAHO, WYOMING: 1979

Household Income	MONTANA		IDAHO		WYOMING		UNITED STATES	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Households	285,034	100.0	324,889	100.0	166,758	100.0	80,467,427	100.0
Less than \$5,000	39,323	13.8	42,678	13.1	15,642	9.4	10,663,441	13.3
\$5,000 - \$7,499	25,866	9.1	29,141	9.0	11,585	6.9	6,439,024	8.0
\$7,500 - \$9,999	25,301	8.9	29,125	9.0	11,069	6.6	6,333,385	7.9
\$10,000 - \$14,999	48,169	16.9	58,304	17.9	22,143	13.3	12,342,073	15.3
\$15,000 - \$19,999	43,335	15.2	51,118	15.7	22,966	13.8	11,379,049	14.1
\$20,000 - \$24,999	36,579	12.8	41,087	12.6	23,974	14.4	10,004,409	12.4
\$25,000 - \$34,999	40,098	14.1	44,422	13.7	33,406	20.0	12,659,261	15.7
\$35,000 - \$49,999	17,867	6.3	19,945	6.1	17,721	10.6	6,954,720	8.6
\$50,000 or More	8,496	3.0	9,069	2.8	8,252	4.9	3,692,065	4.6
Median	\$15,420		\$15,285		\$19,994		\$16,481	
Mean	\$17,994		\$17,973		\$22,149		\$20,306	
Percent:								
Total		100.0		100.0		100.0		100.0
Less Than \$5,000		13.8		13.1		9.4		13.3
\$5,000 - \$9,999		18.0		17.9		13.6		15.9
\$10,000 - \$14,999		16.9		17.9		13.3		15.3
\$15,000 - \$24,999		28.0		28.4		28.1		26.6
\$25,000 or More		23.3		22.6		35.6		29.0

SOURCES: U.S. Bureau of the Census, 1980 Census, General Social and Economic Characteristics: volumes for the U.S., Idaho, Montana and Wyoming; Tables 71 (states) and 107 (U.S.)

COMPARISON OF FAMILY INCOME DISTRIBUTION
U.S., MONTANA, IDAHO, WYOMING: 1979

Family Income	MONTANA		IDAHO		WYOMING		UNITED STATES	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Families, 1980	207,525	100.0	248,258	100.0	123,420	100.0	59,190,133	100.0
Less than \$5,000	14,918	7.2	18,282	7.4	5,654	4.6	4,344,476	7.3
\$5,000 - \$7,499	13,962	6.7	17,512	7.1	5,811	4.7	3,681,759	6.2
\$7,500 - \$9,999	15,784	7.6	19,867	8.0	6,577	5.3	4,064,705	6.9
\$10,000 - \$14,999	34,648	16.7	45,118	18.2	15,113	12.2	8,709,248	14.7
\$15,000 - \$19,999	35,439	17.1	43,244	17.4	17,927	14.5	8,937,703	15.1
\$20,000 - \$24,999	32,267	15.5	36,642	14.8	19,892	16.1	8,485,832	14.3
\$25,000 - \$34,999	36,541	17.6	40,885	16.5	29,525	23.9	11,301,814	19.1
\$35,000 - \$49,999	16,261	7.8	18,430	7.4	15,776	12.8	6,332,965	10.7
\$50,000 or More	7,705	3.7	8,278	3.3	7,145	5.8	3,331,631	5.6
Median	\$18,413		\$17,492		\$22,430		\$19,917	
Mean	\$20,659		\$20,155		\$24,792		\$23,092	
Percent:								
Total		100.0		100.0		100.0		100.0
Less Than \$5,000		7.2		7.4		4.6		7.3
\$5,000 - \$9,999		14.3		15.1		10.0		13.1
\$10,000 - \$14,999		16.7		18.2		12.2		14.7
\$15,000 - \$24,999		32.6		32.2		30.6		29.4
\$25,000 or More		29.2		27.2		42.5		35.4

SOURCES: U.S. Bureau of the Census, 1980 Census, General Social and Economic Characteristics: volumes for the U.S., Idaho, Montana and Wyoming; Tables 71 (states) and 107 (U.S.).

TABLE IV - 21

COMPARISON OF UNRELATED INDIVIDUAL INCOME DISTRIBUTION
U.S., MONTANA, IDAHO, WYOMING: 1979
(individuals 15 years and older)

Income	MONTANA		IDAHO		WYOMING		UNITED STATES	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Unrelated Individuals, 1980	108,917	100.0	110,223	100.0	62,030	100.0	30,041,869	100.0
Less than \$2,000	15,038	13.8	15,679	14.2	6,825	11.0	4,265,687	14.2
\$2,000 - \$2,999	10,341	9.5	10,897	9.9	4,181	6.7	2,575,125	8.6
\$3,000 - \$4,999	21,667	19.9	22,243	20.2	9,301	15.0	5,141,839	17.1
\$5,000 - \$7,999	20,997	19.3	20,619	18.7	10,840	17.5	5,032,369	16.8
\$8,000 - \$9,999	9,784	9.0	10,062	9.1	5,598	9.0	2,613,586	8.7
\$10,000 - \$14,999	15,730	14.4	15,737	14.3	9,985	16.1	4,753,467	15.8
\$15,000 - \$24,999	11,724	10.8	11,360	10.3	10,826	17.5	4,134,492	13.8
\$25,000 - \$49,999	3,059	2.8	3,071	2.8	3,950	6.4	1,292,046	4.3
\$50,000 or More	577	0.5	555	0.5	524	0.8	233,258	0.8
Median	\$5,939		\$5,830		\$7,956		\$6,695	
Mean	\$8,095		\$7,941		\$10,557		\$9,282	

SOURCES: U.S. Bureau of the Census, 1980 Census, General Social and Economic Characteristics: volumes for the U.S., Idaho, Montana and Wyoming; Tables 71 (states) and 107 (U.S.).

TABLE IV - 22

MONTANA INCOME DISTRIBUTION BY RACE & SPANISH ORIGIN, FAMILIES: 1979

Group	WHITE		AMERICAN INDIAN		SPANISH ORIGIN	
	Number	Percent	Number	Percent	Number	Percent
Total	198,336	100.0	7,579	100.0	2,012	100.0
Less than \$5,000	13,046	6.6	1,555	20.5	231	11.5
\$5,000 - \$9,999	27,794	14.0	1,679	22.2	337	16.7
\$10,000 - \$14,999	32,991	16.6	1,425	18.8	318	15.8
\$15,000 - \$19,999	34,149	17.2	1,012	13.4	393	19.5
\$20,000 - \$24,999	31,266	15.8	793	10.5	370	18.4
\$25,000 - \$34,999	35,554	17.9	772	10.2	286	14.2
\$35,000 - \$49,999	15,956	8.0	246	3.3	58	2.9
\$50,000 or More	7,597	3.8	97	1.3	19	1.0
Mean	\$20,951		\$14,101		\$17,034	
Median	\$18,691		\$11,767		\$16,463	

SOURCE: U.S. Bureau of the Census, 1980 Census, General Social and Economic Characteristics, Montana, Table 91, and Detailed Population Characteristics, Montana, Table 238.

TABLE IV - 23

MONTANA INCIDENCE OF POVERTY
BY RACE & SPANISH ORIGIN: 1979

Group	Above Poverty Level	Below Poverty Level	Percent Below Poverty Level
Total	672,971	94,280	12.3
White	643,632	79,371	11.0
Indian	28,823	12,861	35.1
Spanish Origin	8,164	1,634	16.7

NOTE: The poverty thresholds are revised annually to allow for changes in the Consumer Price Index. The average poverty threshold for a family of four persons was \$7,412 in 1979.

SOURCE: U.S. Bureau of the Census, 1980 Census, Summary Tape File 3A, and General Social and Economic Characteristics, Montana, p. B-22.

TABLE IV - 24

MONTANA POVERTY STATUS OF FAMILIES & PERSONS
1969 & 1979

Group	1969	1979
Families, All Income Levels	171,812	207,525
Families Below Poverty Level:		
Total	17,821	19,019
w/Related Chldrn Under Age 6	6,331	8,306
w/Related Chldrn Under Age 18	11,600	13,854
Percent w/Female Householder; No Husband Present	27.5%	31.9%
Persons for whom Poverty Status is Determined*:		
All Ages, All Income Levels	673,934	767,251
Percent Below Poverty Level	13.6%	12.3%
Percent Below 125% of Poverty Level	19.6%	17.55%
Age 65 Yrs & Over:		
Total, All Income Levels	64,958	79,187
Percent Below Poverty Level	27.5%	14.4%

* Excludes inmates of institutions, members of the armed forces living in barracks or on military ships, college students living in dormitories, and unrelated individuals under 15 years (1980), 14 years (1970); "unrelated individuals" include nonrelatives in family households, persons in nonfamily households, and noninmates in group quarters.

SOURCE: U.S. Bureau of the Census, Census of Population: 1970 & 1980; Computer Tapes.

Table IV-25

Poverty Status in 1979 of Families and Persons: 1980

(Excludes inmates of institutions, persons in military group quarters and in college dormitories and unrelated individuals under 15 years.)

The State
Urban and Rural and Size of Place
Inside and Outside SMSA's

The State Urban and Rural and Size of Place Inside and Outside SMSA's	Urban						Rural					
	The State	Total	Inside urbanized areas			Outside urbanized areas		Total	Places of 1,000 to 2,500	Rural farm	Inside SMSA's	Outside SMSA's
			Total	Central cities	Urban fringe	Places of 10,000 or more	Places of 2,500 to 10,000					
ALL INCOME LEVELS IN 1979												
Families	207 525	106 914	54 071	40 153	13 918	28 826	24 017	100 611	15 156	16 592	50 202	157 323
With Social Security income	42 378	22 604	10 387	8 514	1 873	6 452	5 765	19 774	3 678	3 164	9 623	32 755
Income above poverty level	39 114	21 149	9 717	8 008	1 709	6 059	5 373	17 965	3 374	2 891	9 069	30 045
Below poverty level without Social Security income	12 617	6 624	2 805	2 319	486	1 965	1 854	5 993	1 308	611	2 626	9 991
With public assistance income	10 334	5 628	2 950	2 404	546	1 441	1 237	4 706	688	333	2 660	7 474
Income above poverty level	6 605	3 490	1 730	1 354	376	876	884	3 115	480	259	1 804	4 801
Below poverty level without public assistance income	1 049	602	294	231	63	161	147	447	82	19	285	764
Householder worked in 1979	174 337	88 810	45 558	33 224	12 334	23 454	19 798	85 527	12 276	15 275	42 725	131 612
With related children under 18 years	115 381	57 716	29 747	20 967	8 780	15 177	12 792	57 665	8 276	8 690	28 276	87 105
With related children 5 to 17 years	89 844	44 568	22 932	16 437	6 495	11 775	9 861	45 276	6 399	7 050	21 951	67 893
Female householder, no husband present	19 952	12 885	6 816	5 361	1 455	3 629	2 440	7 067	1 497	464	5 440	14 512
Householder worked in 1979	14 334	9 434	5 046	3 914	1 132	2 646	1 742	4 900	1 093	275	4 002	10 332
With related children under 18 years	14 291	9 029	4 926	3 782	1 144	2 442	1 661	5 262	1 064	241	3 960	10 331
With related children under 6 years	5 542	3 473	1 884	1 470	414	860	729	2 069	410	45	1 509	4 033
Householder 65 years and over	29 071	15 097	6 630	5 641	989	4 295	4 172	13 974	2 750	2 590	6 111	22 960
Unrelated individuals	99 460	66 221	32 980	28 231	4 749	19 996	12 245	33 239	7 068	3 173	23 954	75 506
With Social Security income	29 917	19 066	7 686	6 891	795	6 170	5 210	10 851	3 082	972	6 362	23 555
Income above poverty level	21 207	14 022	5 855	5 252	603	4 507	3 660	7 185	1 943	740	4 733	16 454
Below poverty level without Social Security income	12 644	8 620	3 177	2 795	382	3 045	2 398	4 024	1 135	304	2 479	10 165
With public assistance income	4 193	2 831	1 222	1 072	150	876	733	1 362	306	71	997	3 196
Income above poverty level	1 551	1 061	421	359	62	376	264	490	79	28	303	1 248
Below poverty level without public assistance income	767	492	168	144	24	227	97	275	48	16	108	659
Worked in 1979	68 680	46 414	24 885	20 852	3 833	13 425	8 104	22 266	4 070	2 535	17 255	51 425
65 years and over	27 306	17 214	6 587	5 973	614	5 661	4 966	10 092	2 927	913	5 568	21 738
Persons	767 251	400 906	202 226	151 870	50 356	110 208	88 472	346 345	55 371	58 323	184 630	582 621
Related children under 18 years	227 973	109 868	55 526	39 279	16 247	29 394	24 948	118 105	16 542	18 222	54 495	173 478
Related children 5 to 17 years	164 147	79 040	39 657	28 366	11 291	21 558	17 825	85 107	11 636	13 526	39 159	124 988
60 years and over	114 019	62 660	26 979	23 065	3 914	18 972	16 709	51 359	10 369	8 852	24 400	89 619
65 years and over	79 187	44 430	18 766	16 249	2 517	13 564	12 100	34 757	7 711	5 456	16 705	62 482
INCOME IN 1979 BELOW POVERTY LEVEL												
Families	19 019	7 864	4 033	2 935	1 098	2 183	1 646	11 135	1 243	2 768	3 764	15 255
Percent below poverty level	9.2	7.4	7.5	7.3	7.9	7.6	6.9	11.1	8.2	16.7	7.5	9.7
Mean income deficit	\$3 159	\$2 714	\$2 800	\$2 854	\$2 688	\$2 559	\$2 687	\$3 473	\$2 739	\$4 261	\$3 004	\$3 198
Persons per family	3.54	3.25	3.26	3.31	3.13	3.19	3.27	3.75	3.47	3.95	3.42	3.57
With Social Security income	3 264	1 455	670	506	164	393	392	1 809	304	273	554	2 710
With public assistance income	3 729	2 138	1 220	1 050	170	565	353	1 591	208	74	1 056	2 673
Householder worked in 1979	12 899	5 003	2 573	1 824	749	1 378	1 052	7 896	792	2 485	2 572	10 327
With related children under 18 years	13 854	5 853	3 079	2 214	865	1 572	1 202	8 001	895	2 021	2 885	10 969
With related children 5 to 17 years	10 367	4 040	2 112	1 580	532	1 076	852	6 347	674	1 689	2 088	8 299
Female householder, no husband present	6 072	3 598	1 935	1 499	436	976	687	2 474	404	126	1 576	4 496
Householder worked in 1979	3 588	2 177	1 115	828	287	627	435	1 411	266	66	946	2 642
With related children under 18 years	5 483	3 275	1 778	1 369	409	858	639	2 208	375	110	1 481	4 002
With related children under 6 years	3 074	1 939	1 027	846	181	513	399	1 135	201	28	836	2 238
Householder 65 years and over	2 165	815	329	231	98	223	263	1 350	236	204	267	1 898
Unrelated individuals	26 945	17 479	8 019	6 854	1 165	6 018	3 442	9 446	2 056	811	5 139	21 806
Percent below poverty level	27.1	26.4	24.3	24.3	24.5	30.1	26.0	28.5	29.1	25.6	21.5	28.9
Mean income deficit	\$1 693	\$1 657	\$1 754	\$1 715	\$1 982	\$1 561	\$1 599	\$1 758	\$1 456	\$1 905	\$1 728	\$1 684
With Social Security income	8 210	5 044	1 831	1 639	192	1 663	1 139	3 666	1 139	232	1 609	7 101
With public assistance income	2 642	1 770	801	713	88	500	469	872	227	43	694	1 948
Worked in 1979	14 384	10 171	4 992	4 271	721	3 726	1 453	4 213	636	553	2 750	11 634
65 years and over	7 831	4 302	1 456	1 308	148	1 427	1 419	3 529	1 063	215	1 333	6 498
Persons	94 280	43 006	21 170	16 372	4 798	12 986	8 850	51 274	6 363	11 753	17 996	76 284
Percent below poverty level	12.3	10.7	10.5	10.9	9.1	11.8	10.0	14.0	11.5	20.2	9.7	13.1
Related children under 18 years	31 053	12 408	6 444	4 855	1 589	3 343	2 621	19 095	2 103	4 761	6 322	25 181
Related children 5 to 17 years	20 906	7 706	3 840	2 932	908	2 093	1 773	13 200	1 420	3 451	3 962	16 944
60 years and over	14 887	7 215	2 726	2 299	427	2 255	2 234	7 672	1 731	1 042	2 431	12 456
65 years and over	11 414	5 609	2 011	1 692	319	1 790	1 608	5 805	1 448	616	1 780	9 634
INCOME IN 1979 BELOW 125 PERCENT OF POVERTY LEVEL												
Families	27 867	11 263	5 742	4 141	1 601	3 030	2 491	16 604	2 002	3 708	5 379	22 488
Percent below poverty level	13.4	10.5	10.6	10.3	11.5	10.5	10.4	16.5	13.2	22.3	10.7	14.3
Mean income deficit	\$3 561	\$3 229	\$3 313	\$3 367	\$3 173	\$3 193	\$3 080	\$3 786	\$3 000	\$4 769	\$3 480	\$3 580
Persons per family	3.50	3.19	3.23	3.23	3.21	3.09	3.21	3.72	3.41	3.92	3.39	3.53
With Social Security income	5 991	2 580	1 143	866	277	712	725	3 411	589	381	1 013	4 978
With public assistance income	4 583	2 561	1 424	1 219	215	673	454	2 022	289	89	1 288	3 295
Householder worked in 1979	19 212	7 304	3 900	2 748	1 152	1 846	1 558	11 908	1 278	3 365	3 834	15 378
With related children under 18 years	19 531	7 920	4 241	2 993	1 248	2 028	1 651	11 611	1 340	2 713	3 997	15 534
With related children 5 to 17 years	14 692	5 496	2 894	2 155	739	1 386	1 216	9 196	1 055	2 227	2 865	11 827
Female householder, no husband present	7 679	4 474	2 390	1 874	516	1 177	907	3 205	556	157	1 960	5 719
Householder worked in 1979	4 877	2 877	1 498	1 137	361	762	617	2 000	385	94	1 259	3 618
With related children under 18 years	6 846	4 010	2 161	1 678	483	1 033	816	2 836	507	138	1 793	5 053
With related children under 6 years	3 604	2 175	1 175	955	220	539	461	1 429	239	32	956	2 648
Householder 65 years and over	3 969	1 498	593	440	153	439	466	2 471	425	281	543	3 426
Unrelated individuals	36 636	24 135	11 017	9 494	1 523	8 326	4 812	12 501	2 817	1 074	7 304	29 352
Percent below poverty level	36.9	36.5	33.4	33.6	37.1	41.6	36.3	37.6	39.9	33.8	30.5	38.9
Mean income deficit	\$2 056	\$2 009	\$2 092	\$2 050	\$2 357	\$1 937	\$1 943	\$2 146	\$1 861	\$2 666	\$2 016	\$2 065
With Social Security income	14 063	8 684	3 202	2 872	330	2 981	2 501	5 379	1 647	347	7 039	11 324
With public assistance income	3 117	2 059	899	796	103	620	540	1 058	265	43	766	2 351
Worked in 1979	18 971	13 388	6 717	5 762	955	4 747	1 924	5 583	909	730	3 796	15 175
65 years and over	12 670	7 600	2 573	2 360	213	2 663	2 364	5 070	1 551	306	2 297	10 373
Persons	134 295	60 034	29 542	22 085	6 657	17 694	12 798	74 261	9 641	15 617	25 557	10

Table IV-26

Poverty Status in 1979 of Families and Persons by Race: 1980

(Excludes inmates of institutions, persons in military group quarters and in college dormitories, and unrelated individuals under 15 years.)

The State
Urban and Rural

ALL INCOME LEVELS IN 1979

Families.....	198 334
With Social Security income.....	40 898
Income above poverty level.....	38 093
Below poverty level without Social Security income.....	12 331
With public assistance income.....	8 469
Income above poverty level.....	5 904
Below poverty level without public assistance income.....	877
Householder worked in 1979.....	167 206
With related children under 18 years.....	108 081
With related children 5 to 17 years.....	84 217
Female householder, no husband present.....	17 649
Householder worked in 1979.....	12 874
With related children under 18 years.....	12 262
With related children under 6 years.....	4 426
Householder 65 years and over.....	28 249
Unrelated individuals.....	95 532
With Social Security income.....	29 263
Income above poverty level.....	20 904
Below poverty level without Social Security income.....	12 449
With public assistance income.....	3 870
Income above poverty level.....	1 485
Below poverty level without public assistance income.....	739
Worked in 1979.....	66 096
65 years and over.....	26 758
Persons.....	723 021
Related children under 18 years.....	209 143
Related children 5 to 17 years.....	150 965
60 years and over.....	111 040
65 years and over.....	77 187

INCOME IN 1979 BELOW POVERTY LEVEL

Families.....	16 289
Percent below poverty level.....	8.2
Mean income deficit.....	\$3 041
Persons per family.....	3.37
With Social Security income.....	2 805
With public assistance income.....	2 565
Householder worked in 1979.....	11 433
With related children under 18 years.....	11 443
With related children 5 to 17 years.....	8 595
Female householder, no husband present.....	4 854
Householder worked in 1979.....	3 041
With related children under 18 years.....	4 355
With related children under 6 years.....	2 385
Householder 65 years and over.....	1 915
Unrelated individuals.....	24 906
Percent below poverty level.....	26.1
Mean income deficit.....	\$1 641
With Social Security income.....	8 359
With public assistance income.....	2 385
Worked in 1979.....	13 557
65 years and over.....	7 539
Persons.....	79 389
Percent below poverty level.....	11.0
Related children under 18 years.....	24 532
Related children 5 to 17 years.....	16 393
60 years and over.....	13 860
65 years and over.....	10 713

INCOME IN 1979 BELOW 125 PERCENT OF POVERTY LEVEL

Families.....	24 378
Percent below poverty level.....	12.3
Mean income deficit.....	\$3 384
Persons per family.....	3.35
With Social Security income.....	5 357
With public assistance income.....	3 266
Householder worked in 1979.....	17 147
With related children under 18 years.....	16 488
With related children 5 to 17 years.....	12 428
Female householder, no husband present.....	6 243
Householder worked in 1979.....	4 124
With related children under 18 years.....	5 516
With related children under 6 years.....	2 770
Householder 65 years and over.....	3 600
Unrelated individuals.....	34 362
Percent below poverty level.....	36.0
Mean income deficit.....	\$1 996
Persons per family.....	13 598
With Social Security income.....	2 844
With public assistance income.....	17 874
Worked in 1979.....	12 287
65 years and over.....	7 437
Persons.....	115 549
Percent below poverty level.....	16.0
Related children under 18 years.....	35 392
Related children 5 to 17 years.....	23 785
60 years and over.....	23 174
65 years and over.....	18 356

INCOME IN 1979 BELOW SPECIFIED POVERTY LEVEL

Percent of persons:	
Below 75 percent of poverty level.....	7.3
Below 150 percent of poverty level.....	21.1
Below 200 percent of poverty level.....	32.8

White						Black					
The State	Urban			Rural		The State	Urban			Rural	
	Total	Inside urbanized areas		Total	Farm		Total	Inside urbanized areas		Total	Farm
		Central cities	Urban fringe					Central cities	Urban fringe		
198 336	103 334	38 546	13 413	95 012	16 276	364	352	152	131	12	...
40 898	22 131	8 323	1 843	18 767	3 119	18	16	8	...	2	...
38 093	20 817	7 892	1 687	17 276	2 859	13	13	5
12 331	6 504	2 270	481	5 627	604	8
6 469	4 884	1 999	479	3 585	282	36	36	26
5 904	3 251	1 257	357	2 653	236	13	13	13
877	521	191	63	356	14	6	6	6
167 206	85 971	32 039	11 864	81 235	14 994	302	296	121	131	6	...
108 081	54 959	19 803	8 320	53 122	8 460	250	240	86	122	10	...
84 217	42 628	15 561	6 225	41 589	6 837	148	142	58	84	6	...
17 649	11 942	4 885	1 345	5 707	431	21	19	19	...	2	...
12 874	8 830	3 627	1 038	4 044	254	13	13	13
12 262	8 189	3 355	1 034	4 073	220	13	13	13
4 426	3 015	1 244	350	1 411	41	4	4	4
28 249	14 883	5 563	989	13 366	2 550	23	21	6	...	2	...
95 532	64 386	27 320	4 640	31 146	2 058	290	229	116	19	81	...
29 263	18 768	6 761	789	10 495	956	40	32	12	...	8	...
20 904	13 855	5 164	597	7 049	732	34	26	12	...	8	...
12 449	8 494	2 725	382	3 955	304	31	26	12	...	5	...
3 870	2 675	1 020	145	1 195	71	3	3	...
1 485	1 028	343	57	457	28	3
739	474	138	24	265	16
66 096	45 140	20 165	3 736	20 956	2 453	216	161	96	19	55	...
26 758	16 979	5 882	614	9 779	905	35	32	12	...	3	...
723 021	385 458	144 856	48 303	337 363	56 404	1 448	1 270	584	445	178	...
209 143	103 679	36 468	15 378	105 464	17 411	540	444	193	203	96	...
150 965	74 813	26 368	10 741	76 152	12 874	365	298	152	129	67	...
111 040	61 644	22 618	3 873	49 396	8 698	95	76	27	...	19	...
77 187	43 826	16 011	2 501	33 361	5 371	65	60	18	...	5	...
16 289	6 837	2 434	936	9 452	2 688	76	74	31	25	2	...
8.2	6.6	6.3	7.0	9.9	16.5	20.9	21.0	20.4	19.1	16.7	...
\$3 041	\$2 600	\$2 672	\$2 521	\$3 360	\$4 280	\$2 257	\$2 315	\$2 569	\$1 930	\$110	...
3.37	3.15	3.14	3.07	3.53	3.89	3.50	3.54	2.90	4.64	2.00	...
2 805	1 314	431	156	1 491	260	5	3	3	...	2	...
2 565	1 633	742	122	932	46	23	23	13
11 433	4 423	1 588	622	7 010	2 417	53	53	20	25
11 443	4 954	1 793	709	6 489	1 951	60	60	17	25
8 595	3 467	1 313	442	5 128	1 619	23	23	3	20
4 854	3 089	1 251	361	1 765	114	9	7	7	...	2	...
3 041	1 939	744	228	1 102	54	7	7	7
4 355	2 789	1 132	334	1 566	98	7	7	7
2 385	1 625	677	152	760	28	4	4	4
1 915	778	215	98	1 137	199	2	2	...
24 906	16 651	6 484	1 128	8 255	748	88	75	33	7	13	...
26.1	25.9	23.7	24.3	26.5	24.5	30.3	32.8	28.4	36.8	21.3	...
\$1 641	\$1 638	\$1 693	\$1 961	\$1 648	\$1 868	\$2 558	\$2 347	\$1 643	\$3 025	\$3 775	...
6 359	4 913	1 597	192	3 446	224	6	6
2 385	1 647	677	88	738	43
13 557	9 721	4 029	696	3 636	515	48	41	25	7	7	...
7 539	4 207	1 292	148	3 332	215	6	6
79 389	38 193	14 071	4 022	41 196	11 066	368	336	133	116	32	...
11.0	9.9	9.7	8.3	12.2	19.6	25.4	26.5	22.8	26.1	18.0	...
24 532	10 226	3 656	1 303	14 304	4 412	164	149	49	66	15	...
16 393	6 496	2 304	747	9 897	3 147	77	62	14	39	15	...
13 860	6 896	2 171	418	6 962	1 002	24	15	9	...	9	...
10 713	5 460	1 652	319	5 253	604	8	6	2	...
24 378	10 021	3 497	1 419	14 357	2 610	94	88	37	33	6	...
12.3	9.7	9.1	10.6	15.1	22.2	25.8	25.0	24.3	25.2	50.0	...
\$3 384	\$3 072	\$3 152	\$2 964	\$3 602	\$4 755	\$3 300	\$3 443	\$3 461	\$3 075	\$1 595	...
3.35	3.11	3.09	3.18	3.52	3.87	3.41	3.43	2.78	4.33	3.12	...
5 357	2 396	766	264	2 961	363	5	3	3	...	2	...
3 266	2 012	879	167	1 254	56	29	29	19
17 147	6 558	2 400	1 005	10 589	3 279	61	61	20	33
16 488	6 857	2 453	1 076	9 631	2 625	72	68	17	33	4	...
12 428	4 807	1 789	649	7 621	2 139	23	23	3	20
6 243	3 888	1 564	436	2 355	140	9	7	7	...	7	...
4 124	2 562	991	297	1 562	77	7	7	7
5 516	3 447	1 379	403	2 069	121	7	7	7
2 770	1 826	760	186	944	32	4	4	4
3 600	1 435	411	153	2 165	271	8	6	6	...	2	...
34 362	23 162	9 037	1 468	11 200	1 011	135	117	49	7	18	...
36.0	36.0	33.1	31.6	36.0	33.1	46.6	51.1	42.2	36.8	29.5	...
\$1 996	\$1 984	\$2 022	\$2 351	\$2 019	\$2 202	\$2 408	\$2 242	\$1 888	\$3 970	\$3 484	...
13 598	8 467	2 772	330	5 131	339	37	32	12	...	5	...
2 844	1 930	754	103	914	43
17 874	12 858	5 490	912	4 966	692	69	57	29	7	12	...
12 287	7 437	2 297	213	4 850	306	32	32	12
115 549	54 374	19 860	6 022	41 175	14 833	447	406	161	124	41	...
16.0	14.1	13.7	12.5	18.1	26.3	30.9	32.0	27.6	27.9	23.0	...
35 392	13 873	4 879	2 026	21 519	5 966	178	163	55	66	15	...
23 785	8 870	3 063	1 164	14 915	4 228	91	76	20	39	15	...
23 174	12 135	3 782	665	11 039	1 374	61	47	27	...	14	...
18 356	9 873	3 030	475	8 483	806	40	38	18	...	2	...
7.3	6.3	6.4	5.1	8.3	15.0	15.7	15.7	14.6	10.3	15.7	...
21.1	18.6	17.7	17.2	23.9	32.3	36.0	35.7	33.6	29.2	38.2	...
32.8	29.5	27.9	28.7	36.6	44.0	53.7	55.4	57.5	46.7	41.6	...

Table IV-26 (continued)

Poverty Status in 1979 of Families and Persons by Race: 1980

(Excludes inmates of institutions, persons in military group quarters and in college dormitories, and unrelated individuals under 15 years.)

The State
Urban and Rural

ALL INCOME LEVELS IN 1979

Families	7 579	2 254	933	249	5 325	284	493	380	137	83	113	23
With Social Security income	1 295	334	120	22	961	39	82	61	25	8	21	5
Income above poverty level	889	229	81	14	660	26	71	50	14	8	21	8
Below poverty level without Social Security income	236	81	38	5	155	7	23	14	7	—	9	—
With public assistance income	1 579	500	233	42	1 079	44	82	75	29	25	7	—
Income above poverty level	611	177	60	12	434	23	25	25	—	7	—	—
Below poverty level without public assistance income	159	68	27	—	91	5	—	—	—	—	—	—
Householder worked in 1979	5 869	1 788	693	242	4 081	262	357	275	116	55	82	17
With related children under 18 years	6 133	1 759	696	217	4 374	214	320	259	99	79	61	7
With related children 5 to 17 years	4 799	1 255	543	117	3 544	197	232	182	87	38	50	7
Female householder, no husband present	2 097	763	337	90	1 334	27	32	21	12	9	11	6
Householder worked in 1979	1 353	510	214	83	843	21	12	12	—	—	—	—
With related children under 18 years	1 847	676	294	90	1 171	21	26	21	12	9	5	—
With related children under 6 years	1 023	368	158	53	655	4	3	—	—	3	—	—
Householder 65 years and over	703	127	46	—	576	40	56	47	13	—	9	—
Unrelated individuals	2 912	1 078	524	30	1 834	99	271	278	120	22	93	9
With Social Security income	509	184	85	—	325	16	39	39	20	6	—	—
Income above poverty level	209	96	57	—	113	8	25	25	6	—	—	—
Below poverty level without Social Security income	128	79	31	—	49	7	—	—	—	—	—	—
With public assistance income	262	98	35	—	164	—	26	26	13	—	—	—
Income above poverty level	52	22	10	—	30	—	6	6	—	—	—	—
Below poverty level without public assistance income	28	18	6	—	10	—	—	—	—	—	—	—
Worked in 1979	1 882	757	375	27	1 125	66	218	168	86	23	50	9
65 years and over	451	163	52	—	288	8	27	27	14	—	—	—
Persons	36 684	9 581	4 116	894	27 103	1 776	2 929	2 211	986	499	718	101
Related children under 18 years	16 064	3 982	1 723	384	12 082	791	994	788	374	200	208	13
Related children 5 to 17 years	11 326	2 813	1 269	276	8 513	632	645	503	228	122	142	13
60 years and over	2 441	617	245	11	1 824	126	254	193	87	19	61	19
65 years and over	1 668	360	119	6	1 308	76	165	133	61	10	32	—

INCOME IN 1979 BELOW POVERTY LEVEL

Families	2 331	707	285	98	1 624	61	144	111	69	39
Percent below poverty level	30.8	31.4	30.5	39.4	30.5	21.5	29.1	29.2	43.9	47.0
Mean income deficit	\$3 852	\$3 282	\$3 391	\$3 623	\$4 101	\$3 372	\$5 077	\$5 248	\$5 585	\$4 827
Persons per family	4.61	3.72	4.00	2.77	5.00	7.03	4.76	5.21	5.64	4.41
With Social Security income	406	105	39	8	301	13	11	11	—	—
With public assistance income	968	323	173	30	645	21	57	50	29	18
Householder worked in 1979	1 293	445	153	91	848	56	64	48	34	11
With related children under 18 years	2 089	620	238	92	1 469	61	113	96	54	39
With related children 5 to 17 years	1 594	414	154	47	1 180	61	89	72	46	23
Female householder, no husband present	1 111	411	175	66	700	12	12	9	—	—
Householder worked in 1979	525	220	71	59	305	12	—	—	—	—
With related children under 18 years	1 028	293	164	66	635	12	12	9	—	—
With related children under 6 years	623	251	117	29	372	—	3	—	—	—
Householder 65 years and over	224	26	5	—	198	5	7	7	—	—
Unrelated individuals	1 604	507	223	8	1 097	47	204	158	67	17
Percent below poverty level	55.1	47.0	42.6	26.7	59.8	47.5	55.5	56.8	55.8	53.1
Mean income deficit	\$2 277	\$1 883	\$2 023	\$1 897	\$2 460	\$1 855	\$2 808	\$2 754	\$2 596	\$3 669
With Social Security income	300	88	28	—	212	8	14	14	—	—
With public assistance income	210	76	25	—	134	—	20	20	—	—
Worked in 1979	810	297	146	5	513	22	88	67	39	8
65 years and over	265	75	2	—	190	—	14	14	—	—
Persons	12 861	3 199	1 490	253	9 662	632	944	746	444	191
Percent below poverty level	35.1	33.4	36.2	28.2	35.6	35.6	32.3	33.7	47.1	38.3
Related children under 18 years	6 145	1 478	720	128	4 667	342	371	332	240	81
Related children 5 to 17 years	4 074	884	413	78	3 190	297	202	174	119	44
60 years and over	883	230	84	—	653	23	71	47	23	9
65 years and over	645	116	13	—	529	12	24	23	—	—

INCOME IN 1979 BELOW 125 PERCENT OF POVERTY LEVEL

Families	3 011	657	388	104	2 154	79	162	122	69	43
Percent below poverty level	39.7	38.0	41.6	42.6	40.5	27.8	32.7	32.1	43.9	51.8
Mean income deficit	\$4 770	\$4 295	\$4 051	\$4 808	\$4 959	\$5 082	\$6 484	\$6 872	\$7 910	\$6 107
Persons per family	4.66	3.71	3.94	2.75	5.04	6.58	4.57	5.01	5.64	4.21
With Social Security income	561	128	57	13	433	18	18	11	—	—
With public assistance income	1 105	354	192	30	751	26	57	50	29	18
Householder worked in 1979	1 837	566	238	99	1 271	74	75	52	34	15
With related children under 18 years	2 671	741	329	100	1 930	79	120	103	54	39
With related children 5 to 17 years	2 036	503	233	47	1 533	79	96	79	46	23
Female householder, no husband present	1 314	473	222	71	841	17	12	9	—	—
Householder worked in 1979	716	282	118	64	434	17	—	—	—	—
With related children under 18 years	1 215	455	211	71	760	17	12	9	—	—
With related children under 6 years	760	278	135	34	482	—	3	—	—	—
Householder 65 years and over	324	33	12	—	291	10	14	14	7	—
Unrelated individuals	1 753	590	287	8	1 165	47	223	158	67	17
Percent below poverty level	60.3	54.7	54.8	26.7	63.5	47.5	60.1	56.8	55.8	53.1
Mean income deficit	\$2 986	\$2 517	\$2 458	\$2 842	\$3 223	\$2 800	\$3 517	\$3 485	\$3 683	\$3 541
With Social Security income	369	134	67	—	235	8	14	14	—	—
With public assistance income	226	82	31	—	144	—	20	20	7	—
Worked in 1979	868	328	165	5	540	22	96	67	39	8
65 years and over	323	110	30	—	213	—	14	14	—	—
Persons	16 429	3 798	1 684	271	12 631	729	1 011	787	473	199
Percent below poverty level	44.8	39.6	45.8	30.2	46.6	41.0	34.5	35.6	48.0	39.9
Related children under 18 years	7 888	1 705	872	133	6 183	405	386	347	244	81
Related children 5 to 17 years	5 156	1 035	534	78	4 121	354	213	185	119	44
60 years and over	1 187	304	144	—	883	32	78	54	23	9
65 years and over	869	171	54	—	698	21	31	30	23	—

INCOME IN 1979 BELOW SPECIFIED POVERTY LEVEL

Percent of persons:										
Below 75 percent of poverty level	26.0	26.6	28.4	23.7	25.8	21.7	24.7	24.7	34.9	28.7
Below 50 percent of poverty level	52.1	47.8	54.5	35.5	53.7	47.2	39.4	38.5	48.0	51.3
Below 200 percent of poverty level	65.7	62.7	66.9	48.7	66.7	62.5	50.7	49.3	55.6	60.9

Source: U.S. Bureau of the Census, 1980 Census, General Social and Economic Characteristics, Montana, Table 82.

TABLE IV - 27

MONTANA FAMILIES WITH INCOME BELOW POVERTY LEVEL
1969 & 1979

	Percent of Total 1969	Percent of Total 1979
United States	10.7	9.6
Montana	10.4	9.1
Idaho	10.9	9.9
Wyoming	9.3	5.9

SOURCE: U.S. Bureau of the Census, State and Metropolitan Area Data Book, 1982, p. 507.

TABLE IV - 28

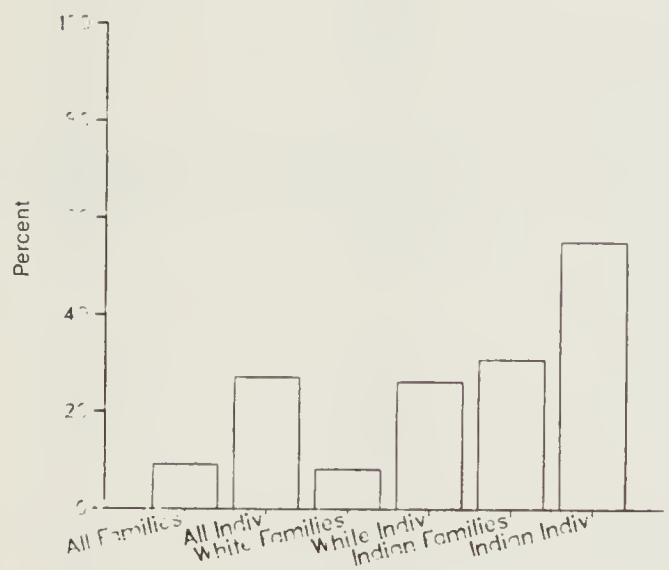
MONTANA POVERTY STATUS IN 1979
OF FAMILIES & PERSONS BY RACE: 1980

Income	Number	Total
All Families	19,019	9.2
All Individuals	26,945	27.1
White Families	16,289	8.2
White Individuals	24,906	26.1
Indian Families	2,331	30.8
Indian Individuals	1,604	55.1

SOURCE: U.S. Bureau of the Census, 1980 Census, General Social and Economic Characteristics, Montana, Table 82.

FIGURE IV-5

Montana
1979 Poverty Status,
by Race



Source: U.S. Bureau of The Census.

TABLE IV - 29

MONTANA PERSONS AGE 16+ WITH INCOME BELOW POVERTY LEVEL
BY SEX, AGE & RACE: 1979

Group	Total	Income Below Poverty Level	
		Number	Percent
<u>Total Persons 16+:</u>	567,711	65,365	11.5
16-24 Yrs	124,762	20,896	16.8
25-54 Yrs	292,443	26,294	9.0
55-64 Yrs	71,319	6,761	9.5
65 Yrs & Over	79,187	11,414	14.4
<u>Total Female 16+:</u>	287,679	38,097	13.2
16-24 Yrs	62,196	11,746	18.9
25-54 Yrs	145,317	14,791	10.2
55-64 Yrs	36,244	3,974	11.0
65 Yrs & Over	43,922	7,586	17.3
<u>Total White 16+:</u>	540,300	56,919	10.5
16-24 Yrs	116,042	17,594	15.2
25-54 Yrs	277,772	22,453	8.1
55-64 Yrs	69,299	6,159	8.9
65 Yrs & Over	77,187	10,713	13.9
<u>White Female 16+:</u>	273,399	33,310	12.2
16-24 Yrs	57,850	10,022	17.3
25-54 Yrs	137,490	12,488	9.1
55-64 Yrs	35,187	3,625	10.3
65 Yrs & Over	42,872	7,175	16.7
<u>Total American Indian 16+:</u>	22,341	7,206	32.3
16-24 Yrs	7,278	2,837	39.0
25-54 Yrs	11,790	3,248	27.6
55-64 Yrs	1,605	476	29.7
65 Yrs & Over	1,668	645	38.7
<u>Indian Female 16+:</u>	11,693	4,127	35.3
16-24 Yrs	3,678	1,490	40.5
25-54 Yrs	6,283	1,986	31.6
55-64 Yrs	835	272	32.6
65 Yrs & Over	897	379	42.3

SOURCE: U.S. Bureau of the Census, 1980 Census, Detailed Population Characteristics, Montana, Table 245.

TABLE IV - 30

POVERTY RATE OF MONTANA FEMALE HOUSEHOLDERS
BY 1980 LABOR FORCE STATUS

	Percent Total	Percent White	Percent Native American
Worked Full-Time	15.3	16.7	9.1
Worked Less than Full-Time	43.8	45.8	37.2
Did not Work	40.9	37.5	53.7

SOURCE: U.S. Bureau of The Census, 1980 Census, General Social and Economic Characteristics, Montana.

TABLE IV - 31

AID TO FAMILIES WITH DEPENDENT CHILDREN (AFDC) &
MEDICAL ASSISTANCE (MEDICAID), MONTANA FY'S ENDING 6/77 TO 6/82

Item	1977	1978	1979	1980	1981	1982
<u>AFDC:</u>						
Total Payments, FY	\$12,284,781	\$12,961,136	\$14,479,314	\$17,065,588	\$18,950,287	\$18,455,938
Average No. of Cases/Month	6,162	6,100	6,061	6,480	7,085	6,119
Average Monthly Payment	\$166	\$177	\$199	\$219	\$223	\$253
<u>Medicaid:</u>						
Total Payments, FY	\$40,040,652	\$47,925,334	\$53,886,227	\$58,042,758	\$70,912,909	\$74,837,496
Average No. of Cases/Month	16,612	16,883	17,221	17,289	19,709	18,782
Average Monthly Payment	\$199	\$236	\$261	\$278	\$299	\$334

SOURCE: Bureau of Statistics & Research, Montana Dept. of Social & Rehabilitative Services, Statistical Reports, State Fiscal Year 1982, State Fiscal Year 1981, and some unpublished.

TABLE IV - 32

MONTANA HOUSEHOLDS RECEIVING FOOD STAMPS & VALUE OF STAMPS
MONTANA FY'S ENDING 6/77 TO 6/82

Item	1977	1978	1979	1980	1981	1982
Avg. No. of Public Assistance Household Cases per Month	3,249	3,072	3,162	3,817	4,563	4,463
Avg. No. Non-Assistance Household Cases per Month	6,496	5,897	7,016	10,783	12,816	13,267
Avg. Monthly Payment Per Case	\$75	\$80	\$85	\$95	\$105	\$110
Total Payments, FY	\$8,819,287	\$8,597,351

SOURCE: Bureau of Statistics & Research, Montana Dept. of Social & Rehabilitative Services, Statistical Reports, State Fiscal Year 1982, State Fiscal Year 1981, and some unpublished.

TABLE IV - 33

MONTANA AFDC* RECIPIENTS**
BY SEX & CATEGORY OF PAYEE
(for month of July 1982, 1983, 1984)

	July 1982		July 1983		July 1984	
	Female	Male	Female	Male	Female	Male
Payee Not Included:						
Incapacitation	9	26	12	20	10	27
Other Reason	418	74	346	60	401	52
Payee Included:						
With Income	569	36	766	47	897	49
Without Income	3,920	199	4,807	247	5,109	302
Total:	4,916	335	5,931	374	6,417	430

* Aid to Families with Dependent Children: Monthly grants to provide day-to-day requirements of low-income children in need because of the absence or incapacitation of a parent.

** The first category consists of cases in which the AFDC check does not include funds for the payee. The second category deals with the number of single parents receiving monies for themselves and their children

SOURCE: Montana Dept. of Social & Rehabilitative Services, unpublished data.

TABLE IV - 34

MONTANA MEDICAID* RECIPIENTS BY SEX & AGE
(State Fiscal Year 1981)

Age	Male	Female
Under 5 Yrs	8,235	7,968
6 - 14 Yrs	7,804	7,721
15 - 20 Yrs	2,650	5,400
21 - 25 Yrs	1,521	5,706
26 - 30 Yrs	947	2,767
31 - 64 Yrs	4,330	8,160
65 - 70 Yrs	1,232	1,681
71 - 80 Yrs	1,972	2,892
81 Yrs & Over	2,894	5,975
Total:	31,587	48,272
Total, including Unborn:		81,317

* Includes Aid to Families with Dependent Children & Medicaid recipients.

SOURCE: Montana Dept. of Social & Rehabilitative Services, unpublished data.

CHAPTER V

PUBLIC FINANCE

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MONTANA DEPARTMENT OF REVENUE COLLECTIONS
(Fiscal Years 78 - 84)

Item	1978	1979	1980	1981	1982	1983	1984
Abandoned Property	\$ 132,283	\$ 546,893	\$ 428,038	\$ 274,552	\$ 397,919	\$ 353,353	\$ 179,731
Aviation Fuel Tax	340,865	356,202	384,216	386,790	323,510	325,187	347,762
Bad Debt Collections	66,994	109,639	114,677	146,078	225,924	304,887	225,590
Campaign Fund Check-Off	68,606	62,581	24,891	4,800	4,111	4,323	3,540
Camper Decal Fee	15,663	13,371	12,185	10,707	9,862	9,685	8,811
Cement & Gypsum Taxes & Licenses	153,894	134,532	129,886	136,314	136,942	96,685	117,213
Cigarette Tax	11,269,507	10,996,443	11,153,889	11,162,433	11,233,044	10,580,701	12,652,027
Cigarette Wholesalers & Retail Licenses	16,795	17,135	20,115	17,295	15,470	17,425	16,000
Coal Severance Tax	33,856,362	42,048,718	75,124,932	70,415,018	86,186,886	80,045,016	82,823,426
Consumer Counsel Tax	415,089	297,092	384,653	396,998	561,081	440,605	666,566
Contractors' Gross Receipts Tax (net)	(261,829)	6,335,000	1,728,618	391,337	234,907	1,113,275	1,035,416
Corporation License Tax	29,238,771	36,091,657	45,623,191	52,900,963	44,630,472	35,824,950	35,396,240
Diesel Fuel Tax	9,251,891	9,914,384	10,787,516	11,705,212	11,697,235	11,877,324	17,793,066
Electric Energy Producers' License Tax	1,865,427	2,523,707	2,060,960	1,367,959	1,753,173	1,546,157	2,413,172
Escheated Estates (net)	77,611	52,464	33,734	41,728	427,323	(153,235)	75,754
Freight Line Company Tax	582,555	675,790	956,356	1,200,092	1,344,761	1,432,164	1,333,899
Gasoline License Tax	37,534,905	38,095,296	39,917,484	36,857,986	37,395,507	36,687,189	51,088,589
Income Tax Withheld	98,544,729	115,926,412	116,921,843	118,853,268	131,393,056	141,229,169	150,233,302
Income Tax All Other	25,026,060	25,413,294	18,695,783	27,183,201	12,410,694	10,555,004	20,113,042
Inheritance Tax (net)	7,278,346	6,490,197	8,537,241	6,165,727	7,680,529	6,398,489	6,318,078
Liquid Petroleum Gas Licenses & Taxes	30,055	1,390	0	0	0	0	0
Metalliferous Mines License Tax	1,756,635	1,544,516	2,516,819	1,564,568	1,861,208	1,542,061	2,630,135
Micaceous Mineral Mines License Tax	10,058	10,358	11,802	10,794	10,432	9,824	8,941
Natural Gas Severance Tax	923,600	1,151,103	1,264,025	2,116,291	2,659,811	2,649,726	2,797,996
Net Proceeds Penalties	2,325	3,825	11,825	6,050	8,200	15,950	7,975
Oil Severance Tax	6,807,583	7,056,573	10,544,555	19,578,173	51,073,425	45,228,535	49,029,017
Public Contractors' License Tax	148,845	141,430	164,620	174,570	184,045	194,085	14,588
Resource Indemnity Trust Tax	2,257,261	2,107,359	3,630,321	4,959,024	7,159,153	7,780,721	6,716,089
Rural Electric & Telephone Licenses Tax	9,548	8,870	11,030	10,698	12,453	10,788	13,030
Sleeping Car Company License Tax	79,973	111,900	0	0	0	0	0
Store License Tax	302,016	293,667	307,521	284,685	301,367	283,123	285,896
Telephone License Tax	1,398,647	1,634,247	1,783,776	2,039,384	2,167,815	2,463,670	2,580,543
Tobacco Products Tax	331,491	367,365	397,831	464,768	519,448	581,203	657,733
Trip Permits	616,660	279,900	0	0	0	0	0
Other	4,899	12,197	12,501	13,327	16,167	17,939	19,867
Totals, Current Dollars:	\$270,154,120	\$310,825,507	\$353,067,834	\$370,840,790	\$414,035,930	\$399,465,895	\$457,603,034
Revenue Collections, 1983 Constant Dollars	\$400,410,020	\$423,560,147	\$436,402,905	\$422,009,687	\$439,866,717	\$399,465,895	\$433,258,553

* includes Coal Dealers' License, Gasoline Dealers' Refund Permits, National Housing Tax, and Tramway Tax.

GNP Implicit Price Deflators for State and Local Government used for constant dollars.

SOURCE: Research Bureau, Montana Dept. of Revenue, unpublished data, and Montana Dept. of Revenue, Report of the State Department of Revenue, July 1, 1980 to June 30, 1982, p. 117.

TABLE V - 2

MONTANA DEPARTMENT OF REVENUE COLLECTIONS
PERCENT OF TOTAL BY SOURCE
(Fiscal Years 78 - 84)

	1978	1979	1980	1981	1982	1983	1984
Abandoned Property	0.0	0.2	0.1	0.1	0.1	0.1	0.0
Aviation Fuel Tax	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Bad Debt Collections	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Campaign Fund Check-Off	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Camper Decal Fee	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cement & Gypsum Taxes & Licenses	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Cigarette Tax	4.2	3.5	3.2	3.0	2.7	2.6	2.8
Cigarette Wholesalers & Retail Licenses	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coal Severance Tax	12.5	13.5	21.3	19.0	20.8	20.0	18.1
Consumer Counsel Tax	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Contractors' Gross Receipts Tax (net)	-0.1	2.0	0.5	0.1	0.1	0.3	0.2
Corporation License Tax	10.8	11.6	12.9	14.3	10.8	9.0	7.7
Diesel Fuel Tax	3.4	3.2	3.1	3.2	2.8	3.0	3.9
Electric Energy Producers' License Tax	0.7	0.8	0.6	0.4	0.4	0.4	0.5
Escheated Estates (net)	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Freight Line Company Tax	0.2	0.2	0.3	0.3	0.3	0.4	0.3
Gasoline License Tax	13.9	12.3	11.3	9.9	9.0	9.2	13.3
Income Tax Withheld	36.5	37.3	32.9	32.0	31.7	35.4	32.8
Income Tax All Other	9.3	8.2	5.3	7.3	3.0	2.6	4.4
Inheritance Tax (net)	2.7	2.1	2.4	1.7	1.9	1.6	1.4
Liquid Petroleum Gas Licenses & Taxes	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metalliferous Mines License Tax	0.7	0.5	0.7	0.4	0.4	0.4	0.6
Micaceous Mineral Mines License Tax	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Natural Gas Severance Tax	0.3	0.4	0.4	0.6	0.6	0.7	0.6
Net Proceeds Penalties	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oil Severance Tax	2.5	2.3	3.0	5.3	12.3	11.3	10.7
Public Contractors' License Tax	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Resource Indemnity Trust Tax	0.8	0.7	1.0	1.3	1.7	1.9	1.5
Rural Electric & Telephone Licenses Tax	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sleeping Car Company License Tax	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Store License Tax	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Telephone License Tax	0.5	0.5	0.5	0.5	0.5	0.6	0.6
Tobacco Products Tax	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Trip Permits	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totals:	100.0	100.0	100.0	100.0	100.0	100.0	100.0

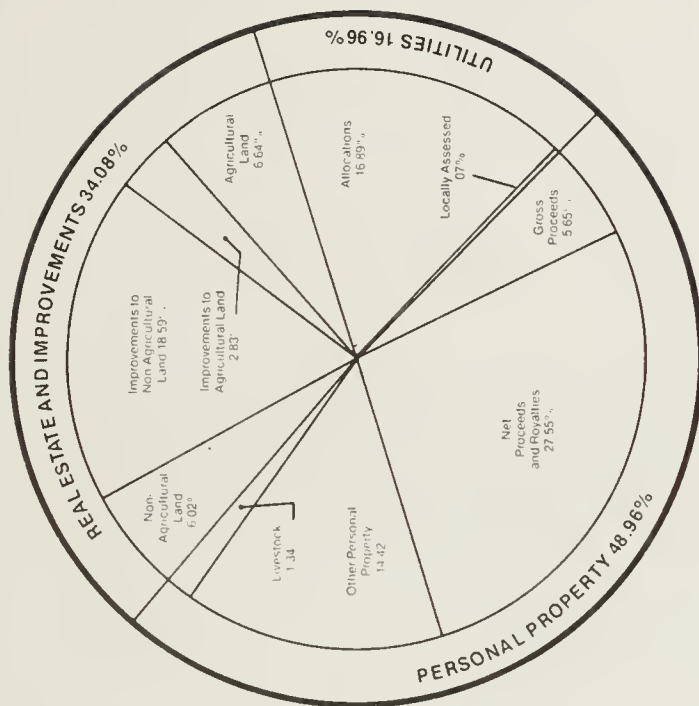
NOTE: percentages may not add to exactly 100 percent because of rounding

SOURCE: Based on Research Bureau, Montana Dept. of Revenue, unpublished data, and Montana Dept. of Revenue, Report of the State Department of Revenue, July 1, 1980 to June 30, 1982, p. 117. Percentages by Census & Economic Information Center, Montana Dept. of Commerce.



Source: Research Bureau, Montana Department of Revenue.

FIGURE V.2
ANALYSIS OF THE
1983 TAX BASE



CHAPTER VI

FINANCE

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FDIC-INSURED BANK OPERATING STATISTICS FOR MONTANA
(in thousands of dollars)

Year	Banks	Total Assets	Total Deposits	Total Equity Capital	Total* Loans	Comm. & Indus. Loans	Total ** Securities
1966	131	\$1,311,842	\$1,189,115	\$ 95,151	\$ 673,291	\$ 133,440	\$ 431,961
1967	132	1,425,432	1,292,391	100,540	724,561	148,235	488,923
1968	134	1,555,139	1,400,248	107,537	794,056	162,738	537,259
1969	135	1,680,207	1,485,554	115,560	868,421	184,217	542,720
1970	139	1,867,146	1,653,294	126,749	959,411	207,951	632,733
1971	143	2,117,044	1,868,781	142,163	1,088,493	230,554	732,186
1972	146	2,442,078	2,157,335	160,533	1,320,315	282,628	795,369
1973	149	2,735,051	2,396,192	182,346	1,564,838	349,363	803,622
1974	152	2,994,011	2,616,725	204,604	1,787,746	396,712	785,501
1975	154	3,347,371	2,910,524	229,531	1,942,575	422,506	932,833
1976	155	3,569,264	3,203,247	246,392	2,044,077	492,627	951,873
1977	157	4,005,763	3,600,215	267,706	2,359,148	496,365	1,031,267
1978	160	4,457,006	3,955,345	316,587	2,820,356	707,477	1,090,829
1979	162	4,889,735	4,321,141	359,330	3,017,916	754,467	1,150,605
1980	163	5,317,193	4,622,429	401,438	3,012,122	823,551	1,378,822
1981	164	5,732,065	4,923,387	438,762	3,156,852	935,396	1,491,910
1982	166	6,207,417	5,291,468	472,522	3,553,631	1,217,221	1,571,773

* Total Loans = net loans + allowance for possible loan losses + unearned income on loans.

** Total Securities = U.S. Treasury securities + obligations of other U.S. government agencies + obligations of states and political subdivisions + all other securities + trading account securities.

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, years indicated.

TABLE VI - 2

SELECTED BANKING RATIOS FOR MONTANA AND THE U.S.
(medians for FDIC-insured banks)

	1970		1980		1981		1982	
	MT	US	MT	US	MT	US	MT	US
Total Loans to Deposits	NA	59.4	65.1	62.1	61.1	60.3	61.7	59.9
Total Loans to Assets	NA	NA	57.9	54.6	54.0	52.6	54.7	51.9
Allowance for Possible Loan Loss to Total Loans	1.5	1.5	0.9	1.0	0.9	1.0	0.9	1.0
Equity Capital to Deposits	NA	NA	8.8	9.4	9.0	9.6	9.3	9.6
Net Income to Assets	1.0	NA	1.3	1.2	1.2	1.2	1.2	1.1
Net Income to Equity Capital	13.4	12.4	15.7	14.0	15.0	13.3	14.8	12.9

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, years indicated.

TABLE VI - 3

CHANGE IN MONTANA BANKING CONDITIONS: 1982-1983
(figures in thousands)

	12/31/82	12/31/83	Change	Percent Change
<u>State Banks & Trust Companies:</u>				
Total Securities	\$ 836,709	\$ 1,002,659	+165,950	+19.8%
Total Loans	1,524,807	1,661,190	+136,363	+8.9%
Total Equity Capital	243,524	270,528	+27,004	11.1%
Total Deposits	2,525,465	2,819,937	+294,472	+11.7%
Total Assets	2,883,340	3,218,431	+335,091	+11.6%
Loans:Assets	53.1%	51.8%	-1.3%	
Loans:Deposits	60.9%	59.4%	-1.5%	
Capital and Reserve a/c's:Total Assets	9.1%	9.0%	-0.1%	
Capital and Reserve a/c's:Total Deposits	10.4%	10.3%	-0.1%	
<u>National Banks:</u>				
Total Securities	\$ 709,965	\$ 850,918	+140,953	+19.9%
Total Loans	1,903,612	2,073,802	+170,190	+8.9%
Total Equity Capital	230,847	238,359	+7,512	+3.3%
Total Deposits	2,715,889	2,892,924	+177,035	+6.5%
Total Assets	3,269,126	3,665,107	+395,981	+12.1%
Loans:Assets	58.5%	56.8%	-1.6%	
Loans:Deposits	70.7%	72.4%	+1.7%	
Capital and Reserve a/c's:Total Assets	8.1%	7.5%	-0.7%	
Capital and Reserve a/c's:Total Deposits	9.8%	9.5%	-0.3%	

SOURCE: Montana Dept. of Commerce, Financial Institutions Division, Abstract of Reports of Condition, years indicated.

TABLE VI - 4

BANK ASSETS & LOANS BY STATE: 1982

State	Assets (thou)	Total Loans (thou)	Ag- Loans (thou)	* C&I Loans (thou)	Loans to Indiv. (thou)	Est. Population (thou)	Assets per Capita	Total Loans per Capita
Alabama	\$20,426,994	\$ 9,733,200	\$ 238,817	\$ 2,933,183	\$ 2,850,267	3,941	\$ 5,183	\$ 2,470
Alaska	3,374,212	1,634,347	15,644	583,270	218,343	444	7,600	3,681
Arizona	16,656,730	1,038,548	441,285	2,896,438	2,555,733	2,892	5,760	3,591
Arkansas	13,618,913	6,944,374	397,898	2,506,066	985,821	2,307	5,903	3,010
California	275,445,871	174,815,347	3,948,393	68,371,700	23,054,377	24,697	11,431	7,255
Colorado	20,285,434	11,660,864	807,618	4,177,005	2,602,572	3,701	5,481	3,151
Connecticut	15,551,358	9,153,993	15,371	3,105,506	2,215,943	3,126	4,975	2,928
Delaware	7,759,104	4,798,257	79,852	1,449,841	1,698,774	600	12,932	7,997
Dist. of Columbia	10,577,145	5,216,521	12,780	1,737,052	621,718	626	16,896	8,333
Florida	59,844,538	28,451,274	195,968	6,846,083	8,334,590	10,466	5,718	2,718
Georgia	30,363,487	15,414,748	305,818	4,744,046	5,135,654	5,648	5,736	2,729
Hawaii	6,701,778	3,949,070	31,827	1,173,408	882,988	997	6,722	3,961
Idaho	5,883,914	3,513,537	471,697	978,525	813,169	977	6,022	3,596
Illinois	158,088,477	93,814,937	2,386,908	45,433,899	10,633,899	11,466	13,788	8,182
Indiana	36,429,043	18,641,521	977,315	4,436,772	4,200,202	5,482	6,663	3,400
Iowa	25,487,761	12,163,586	3,766,004	2,637,815	2,000,440	2,906	8,771	4,186
Kansas	19,619,042	9,663,119	2,223,708	2,920,005	1,965,054	2,408	8,147	4,013
Kentucky	23,576,422	11,631,102	611,707	3,098,421	3,116,752	3,692	6,386	3,150
Louisiana	30,894,212	15,950,207	297,793	5,763,911	3,931,361	4,383	7,049	3,639
Maine	3,890,203	2,032,866	14,484	595,833	543,264	1,136	3,424	1,789
Maryland	20,178,836	9,983,519	63,446	2,754,214	2,337,062	4,270	4,726	2,338
Massachusetts	44,687,528	22,922,456	78,337	11,090,182	3,554,860	5,750	7,772	3,987
Michigan	58,949,357	30,687,877	477,186	10,117,131	5,165,161	9,116	6,467	3,366
Minnesota	38,820,513	21,500,225	2,256,379	7,456,290	3,194,807	4,133	9,393	5,202
Mississippi	13,694,683	6,932,812	368,159	1,784,872	1,932,809	2,569	5,331	2,699
Missouri	41,482,575	19,823,066	1,388,337	6,234,704	3,593,473	4,942	8,394	4,011
Montana	6,207,417	3,553,631	608,992	1,217,221	761,979	805	7,711	4,414
Nebraska	13,965,089	7,145,536	2,862,922	1,656,519	1,249,948	1,589	8,789	4,497
Nevada	4,584,294	2,421,480	16,852	584,119	627,814	876	5,239	2,764
New Hampshire	3,985,617	2,485,560	2,494	603,346	687,910	948	4,204	2,622
New Jersey	42,228,334	21,664,109	8,869	6,517,036	4,715,580	7,427	5,686	2,917
New Mexico	7,766,268	4,703,865	206,609	1,558,321	1,067,712	1,367	5,681	2,951
New York	520,011,425	308,178,865	1,282,321	166,622,161	24,585,156	17,567	29,602	17,543
North Carolina	32,452,221	15,984,196	252,659	5,931,194	4,459,656	6,019	5,392	2,656
North Dakota	5,783,955	2,952,141	894,716	861,812	450,699	672	8,607	4,708
Ohio	63,380,526	31,628,385	542,490	9,342,607	8,574,405	10,772	5,884	2,936
Oklahoma	29,636,063	16,291,172	1,254,472	6,485,577	2,986,970	3,226	9,187	5,050
Oregon	14,214,829	8,210,187	324,764	2,914,997	1,487,092	2,668	5,328	3,077
Pennsylvania	105,811,966	53,762,786	351,764	19,530,803	9,728,461	11,879	8,907	4,526
Rhode Island	8,415,905	4,832,916	326	1,577,412	639,685	953	8,831	5,071
South Carolina	10,267,079	4,646,099	71,717	1,242,315	1,836,942	3,227	3,182	1,440
South Dakota	8,782,850	6,017,306	1,266,014	770,064	3,188,374	694	12,655	8,670
Tennessee	28,291,694	14,648,683	346,300	4,874,764	3,718,467	4,656	6,076	3,146
Texas	163,423,842	90,209,615	2,555,826	45,477,786	14,347,671	15,329	10,661	5,885
Utah	8,230,102	4,462,139	111,681	1,290,615	1,026,440	1,571	5,239	2,840
Vermont	2,869,705	1,893,043	29,094	392,524	374,205	520	5,519	3,640
Virginia	30,212,438	17,695,917	205,522	4,668,872	5,517,365	5,485	5,508	3,226

TABLE VI - 4
(cont.)

State	Assets (thou)	Total Loans (thou)	Ag. Loans (thou)	* C&I Loans (thou)	Loans to Indiv. (thou)	Est. Population (thou)	Assets per Capita	Total Loans per Capita
Washington	26,333,959	16,800,055	588,518	7,076,549	2,944,761	4,276	6,159	3,929
West Virginia	11,950,648	5,577,055	30,833	956,226	1,810,598	1,961	6,094	2,844
Wisconsin	30,449,781	16,581,199	1,043,379	4,624,471	2,739,417	4,745	6,417	3,494
Wyoming	4,107,921	2,174,914	253,605	806,773	470,447	509	8,071	4,273

* C&I - Commercial and Industrial

SOURCES: Federal Deposit Insurance Corporation, Bank Operating Statistics, 1982.
U.S. Bureau of the Census, Estimates of the Population of States, by Age, July 1, 1983, to 1983.

TABLE VI - 5

SELECTED BANK LOANS IN MONTANA BY TYPE*
FOR FDIC-INSURED BANKS
(in thousands)

Year	Real Estate	Agri. Produc.	Comm. & Indus.	Consumer	Total
1966	\$ 175,109	\$ 160,043	\$ 133,440	\$ 173,410	\$ 673,291
1967	188,019	174,019	148,235	182,218	724,561
1968	203,042	203,042	162,738	205,396	794,056
1969	219,836	198,305	184,217	225,261	868,421
1970	231,974	226,766	207,951	238,526	959,411
1971	266,881	239,758	230,554	282,548	1,088,493
1972	331,888	261,762	282,665	342,928	1,320,315
1973	402,176	315,277	349,538	408,287	1,564,838
1974	444,072	353,849	396,712	470,590	1,787,946
1975	487,409	393,642	422,506	511,415	1,942,575
1976	510,815	354,239	492,623	654,922	2,044,077
1977	670,847	462,629	496,365	645,463	2,359,148
1978	786,646	472,602	707,477	809,036	2,820,356
1979	833,101	509,958	754,467	872,959	3,017,916
1980	830,737	498,913	823,551	802,535	3,012,122
1981	848,972	544,912	935,396	771,680	3,156,852
1982 .	874,125	608,992	1,217,221	761,979	3,553,631

* selected loans do not include all types of loans and do not add to total

SOURCE: Federal Deposit Insurance Corporation, Bank Operating Statistics, years indicated.

TABLE VII - 6
SECURITIES ISSUED IN MONTANA

FY	New		Renewed	
	Number	Volume	Number	Volume
1979	450	\$ 746,270,833	399	\$ 3,029,112,729
1980	588	4,940,904,099	418	9,858,297,995
1981	1,175	6,979,407,721	459	6,705,049,092
1982	1,234	12,042,699,935	510	17,063,783,005
1983	1,582	36,883,920,073	612	26,510,936,739
1984	1,702	67,966,927,001	721	57,005,520,464

SOURCE: Securities Division, Montana State Auditor's Office, September 1984.

TABLE VII - 7
BANKRUPTCIES IN MONTANA

Year *	Number of Cases			
	Total	Chapter 7	Chapter 11	Chapter 13
1970	907	900	2	5
1971	962	948	4	10
1972	898	893	0	5
1973	805	795	3	7
1974	770	767	0	3
1975	865	853	3	9
1976	861	841	4	16
1977	768	757	7	4
1978	773	765	4	4
1979	898	891	4	3
1980	1,036	1,002	16	18
1981	1,178	1,106	24	48
1982	990	889	56	45
1983	993	851	101	41

* Years run from Oct. 1 of previous year to Sept. 30 of year indicated.

SOURCE: Federal Bankruptcy Court, Great Falls, Montana, September 1984.

TABLE VI - 8

MONTANA & REGIONAL COMMERCIAL BANK CHARACTERISTICS
(percent)

Item	Montana	Idaho	Wyoming	N. Dakota	S. Dakota	US Mean
1980-81 Deposit Growth	6.5	3.1	8.0	11.9	44.2	8.4
5-Yr Deposit Growth	9.0	8.3	12.1	10.2	15.2	9.6
5-Yr Compound Income Growth	12.6	7.5	19.6	13.7	12.0	15.3
1980-81 Income Growth	-0.5	-12.0	16.6	13.8	3.6	8.0
1980-81 Loan Growth	4.8	6.5	12.0	4.9	82.3	9.1
1981 Loans:Assets	53.0	54.4	51.8	50.0	66.1	52.1
1970-80 Population Growth	13.4	37.5	41.9	5.8	3.6	11.4
1970-80 Deposit Growth	179.6	273.3	188.7	215.2	217.8	144.5

SOURCE: Council for Community Development, Montana Economic Development, 1983, p. 52.

TABLE VI - 9

COMMERCIAL BANKING CONCENTRATIONS BY STATE: 1981
BASED ON COMBINED TOTAL DEPOSITS OF LARGEST 10 BANKING ORGANIZATIONS
(percent of total deposits/rank in nation)

Cumulative Percentage of Held Deposits	1 Bank/Rank	5 Banks/Rank	10 Banks/Rank
Montana	23.9/16	51.2/28	58.9/29
Idaho	36.0/9	85.8/7	93.9/8
Wyoming	16.0/29	46.6/30	59.0/28
North Dakota	16.2/27	43.5/32	50.8/38
South Dakota	22.9/19	49.5/29	58.3/30
US Median, including Dist. of Columbia	17.1	51.5	60.3

SOURCE: Council for Economic Development, Inc., Montana Economic Development, 1983, p. 61.

TABLE VI - 10

MONTANA DEPOSITORY INSTITUTIONS
(deposits per capita in thousands)

Item	Commercial Banks	Mutual Banks	Savings & Loans	Credit Unions	Total
1970 Total Deposits:					
Montana	1,653	0	246	43	1,942
US	480,711	71,580	141,620	15,523	709,434
1980 Total Deposits:					
Montana	4,622	0	967	275	5,864
US	1,481,161	153,501	498,650	65,743	2,199,055
1970 Deposits per Capita:					
Montana	2,382	0	354	62	2,789
US	2,364	352	697	76	3,490
1980 Deposits per Capita:					
Montana	5,873	0	1,229	349	7,451
US	6,539	678	2,201	290	9,709

SOURCES: National Credit Union Administration, National Credit Union Administration State Chartered Credit Unions: 1970 and 1980 annual reports and Federal Deposit Insurance Corporation, Bank Operating Statistics, 1980, table prepared by Council for Community Development, Inc., Montana Economic Development, 1983, p. 65.

TABLE VI - 11

MONTANA & U.S. GROWTH TRENDS: 1970 - 1980
(in percent)

	Montana	US
Population Growth	13.3	11.4
Commercial Bank Deposit Growth	179.6	144.5*
Commercial & Industrial Loan Growth	296.2	249.0
Total Depository Institution Deposit Growth	202.0	210.0

* figure excludes foreign deposits

SOURCE: Council for Community Development, Inc., Montana Economic Development, 1983, p. 50.

TABLE VI - 12

MONTANA DEPOSITORY INSTITUTIONS
(percent of market)

	1970		1980	
	Montana	US	Montana	US
Commercial Banks	85.1	67.8	78.8	76.4
Mutual Banks	0	10.0	0	7.0
Savings & Loans	12.7	20.0	16.5	22.7
Credit Unions	2.2	2.2	4.7	3.0
Total:	100.0	100.0	100.0	100.0

SOURCE: Council for Economic Development, Inc., Montana Economic Development, 1983, p. 66.

TABLE VI - 13

MONTANA SAVINGS & LOAN STATISTICS
(Federal Home Loan Bank Members)

Year	Number of S&Ls	First Mortgage Loans	Other Loans	Cash & Secur.	Total Assets	Savings	Net Worth	Total Liabilities
1970	12	239,943,634	2,179,019	25,271,700	277,566,797	245,664,351	20,687,363	256,879,434
1971	12	284,487,605	3,395,447	29,908,110	332,983,378	288,184,307	22,826,533	310,156,845
1972	12	334,90,961	4,666,903	35,428,165	387,332,886	339,771,494	25,638,103	361,694,783
1973	12	381,154,479	6,654,138	35,540,201	438,160,775	329,864,805	29,345,400	408,815,375
1974	12	423,140,935	9,691,616	32,386,514	483,218,261	415,631,396	32,571,457	450,646,804
1975	12	492,822,913	10,797,881	44,874,808	571,898,021	500,571,147	36,2424	535,895,597
1976	12	598,72,945	10,842,755	56,260,743	689,551,863	595,80,972	41,61,301	648,490,562
1977	12	726,22,744	8,500,218	64,945,084	829,441,224	698,485,873	48,137,110	781,304,114
1978	NA	NA	NA	NA	NA	NA	NA	NA
1979	12	925,290,124	13,957,537	80,854,387	1,065,691,415	882,917,462	64,328,358	1,001,363,057
1980	12	949,578,207	14,389,072	107,398,651	1,121,774,902	966,966,433	64,831,055	1,056,943,847
1981	13	958,528,453	19,109,817	130,989,782	1,172,383,773	1,013,096,427	52,176,121	1,120,207,652
1982	11	905,899,849	33,166,759	137,497,371	1,127,994,893	977,978,988	44,323,451	1,083,671,442
1983	11	912,385,918	52,645,717	138,728,616	1,159,539,248	1,026,236,182	51,037,491	1,108,501,757

NA - not available

SOURCES: Federal Home Loan Bank of Seattle, Directory of Members, 1980 - 1984.
Federal Home Loan Bank of Spokane, Directory of Members, 1971 - 1978.

TABLE VI - 14

SAVINGS & LOANS ASSOCIATIONS
SELECTED FINANCIAL ITEMS: 1981
(millions)

Region, Division, and State	Number of Assns.	Total Assets	Mortgage Loans Outstanding	Savings Capital
Total*	4,292	\$ 664,123	\$ 518,864	\$ 523,577
United States	4,278	661,247	517,202	521,642
Mountain States:	150	32,068	24,749	23,789
Montana	14	1,176	952	1,016
Idaho	9	1,090	888	887
Wyoming	12	1,058	773	901
Colorado	46	10,949	8,469	7,926
New Mexico	33	2,777	2,157	2,282
Arizona	12	7,170	5,224	5,506
Utah	16	5,271	4,305	3,351
Nevada	8	2,577	1,981	1,920

* includes states, Guam, and Puerto Rico

SOURCE: U.S. Bureau of the Census, Statistical Abstract of the United States, 1984, p. 514; Federal Home Loan Bank Board, Asset and Liability Trends, 1981.

SELECTED BALANCE SHEET ITEMS FOR
ALL OPERATING SAVINGS & LOAN ASSOCIATIONS IN MONTANA*

Items	1955	1960	1965	1970	1975	1978	1979	1980	1981	1982
Number of Associations	20	18	17	16	16	15	15	13	14	13
Mortgage Loans & Contracts	59,291	108,903	180,191	242,166	487,133	867,336	925,326	941,785	952,063	840,522**
Other Loans	247	810	1,355	2,153	10,638	13,641	21,406	23,937	23,166	35,775
Real Estate Owned	56	236	531	514	949	186	157	1,306	2,719	4,100
Cash & Investment Securities	10,946	13,576	21,737	25,801	49,682	78,848	82,365	108,578	143,966	145,526
Fixed Assets - Net	854	2,853	3,830	4,721	11,070	19,559	23,854	25,880	27,139	25,739
Savings Capital	65,557	116,408	189,767	248,126	504,586	825,127	890,741	968,755	1,016,241	983,572
FHLE Advances	575	886	2,360	3,745	13,738	69,937	74,097	52,088	6,494	66,255
Other Borrowed Money	157	18	15	0	1,350	9,266	11,051	8,951	12,864	14,466
Net Worth	4,536	8,898	14,801	21,000	36,442	57,681	64,837	64,933	53,002	45,114
Total Assets; Total Liabilities & Net Worth	72,396	128,366	211,285	280,345	576,436	997,242	1,074,613	1,123,595	1,176,420	1,129,409**

* including building & loan associations, cooperative banks, and homestead associations.

** net of contra-assets, as provided in regulatory change adopted in July, 1982.

SOURCE: Federal Home Loan Bank Board, Asset and Liability Trends, December 1983.

TABLE VI - 16

NON-FSLIC INSURED SAVINGS & LOAN ASSOCIATIONS

	Montana	United States
December 31, 1979:		
Number of Associations	3	645
Total Assets (in thousands)	8,482	10,855,480
December 31, 1980:		
Number of Associations	1	589
Total Assets (in thousands)	1,898	12,245,834
December 31, 1981:		
Number of Associations	1	513
Total Assets (in thousands)	4,410	13,099,020
December 31, 1982:		
Number of Associations	1	483
Total Assets* (in thousands)	9,398	15,054,608
Percent to Assets of All Associations	.001	2.147
Percent to Assets Held in Each State	.83	0

* net of contra-asset items, as provided in regulatory change adopted in 7/82

SOURCE: Home Loan Bank Board, Assets and Liability Trends, December 1983.

TABLE VI - 17

NATURAL PERSON FEDERAL CREDIT UNIONS BY STATE
(December 31, 1983)

State	Number	Assets in Millions	Percent Change 1982 - 1983
Montana	93	262	17.0
Idaho	54	197	15.2
Wyoming	53	156	13.9
United States	10,962	54,479	NA

SOURCE: National Credit Union Administration, 1983 Annual Report of the National Credit Union Administration, 1984.

TABLE VI - 18

ASSETS, LIABILITIES, & EQUITY
OF OPERATING FEDERAL CREDIT UNIONS IN MONTANA
(in thousands)

Year	Number	Total Assets	Loans Outstanding	Total Invest.	Total Liabil.	Notes Payable	Accounts Payable & Other* Liabil.	Savings	Regular Reserve	Other** Reserve	Undivided Earnings
1960	108	14,184	11,527	NA	14,184	344	39	12,485	558	39	718
1970	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1971	120	50,073	42,092	5,312	50,073	1,391	558	43,012	2,894	662	1,555
1972	117	59,396	47,865	7,891	59,396	1,465	664	51,516	3,274	739	1,737
1973	116	69,484	56,656	8,720	69,484	1,589	755	60,626	3,698	823	1,992
1974	114	79,933	63,913	9,008	79,933	1,745	2,174	70,080	3,989	935	1,009
1975	112	97,410	75,988	16,006	97,410	3,035	2,965	85,182	4,520	827	881
1976	112	120,033	96,538	16,663	120,033	6,667	3,363	102,934	5,197	766	1,105
1977	108	145,445	118,315	19,482	145,445	12,565	4,281	120,368	5,808	1,138	1,284
1978	108	171,775	140,102	25,195	171,775	18,306	3,582	140,889	4,700	1,314	1,984
1979	111	168,174	137,180	23,718	168,174	9,490	3,657	145,275	5,607	1,747	2,352
1980	106	175,521	124,311	43,645	175,521	3,203	2,634	159,380	5,769	2,114	2,422
1981	101	140,881	134,035	48,813	190,881	1,471	3,579	173,552	5,857	2,822	3,601
1982	95	223,621	132,375	80,939	223,621	2,071	3,010	204,774	6,333	3,861	3,572
1983	93	261,759	158,036	92,369	261,759	2,504	2,961	242,644	6,905	3,759	4,985

* includes year-end dividends payable

** reserves for contingencies, supplemental reserves, and reserves for losses.

SOURCE: National Credit Union Administration, Annual Report of the National Credit Union Association, years indicated.

TABLE VI - 19

ASSETS, LIABILITIES, & EQUITY
OF OPERATING FEDERALLY INSURED CREDIT UNIONS IN MONTANA
(in thousands)

Year	Number	Total Assets	Loans Out- standing	Total Invest.	Total Liabl.	Notes Payable	Accounts Payable & Other* Liabl.	Members' Savings	Regular Reserve	Other** Reserve	Undivided Earnings
1960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1970	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1971	2	2,644	1,447	1,161	2,644	10	164	2,325	88	9	49
1972	2	3,741	1,724	1,855	3,741	10	28	3,508	106	9	81
1973	2	3,517	1,825	1,502	3,517	32	32	3,270	117	22	45
1974	5	10,582	7,352	1,920	10,582	880	199	8,854	481	35	135
1975	10	22,029	18,444	2,267	22,029	540	540	20,054	729	26	140
1976	24	54,367	44,161	4,309	54,367	2,328	1,348	48,104	1,781	478	330
1977	25	98,433	71,710	21,943	98,433	13,395	1,701	79,281	2,461	989	607
1978	25	128,034	96,614	25,762	128,034	23,563	819	98,320	3,500	1,207	624
1979	25	137,769	100,830	31,353	137,769	25,364	1,185	105,467	3,612	1,251	890
1980	25	134,645	96,047	32,086	134,645	12,490	1,649	115,139	3,910	406	1,050
1981	25	135,780	96,752	24,664	135,780	13,666	1,670	115,043	3,153	345	1,395
1982	24	153,786	97,985	44,554	153,786	15,198	2,103	130,174	3,877	489	1,943
1983	23	167,491	124,258	36,201	167,941	12,438	2,428	147,457	4,323	655	639

* includes year-end dividends payable

** reserves for contingencies, supplemental reserves, and reserves for losses.

SOURCE: National Credit Union Administration, Annual Report of the National Credit Union Association, years indicated.

TABLE VI - 20
PROPERTY & CASUALTY INSURANCE IN MONTANA

Year	Home Offices	Total Direct Written Premiums (000's)	Premium Taxes (000's)
1970	2	93,329	4,578
1971	3	108,597	5,019
1972	NA	NA	NA
1973	NA	NA	NA
1974	NA	148,075	7,367
1975	3	170,646	8,323
1976	3	210,740	9,483
1977	5	238,779	11,158
1978	5	271,639	12,738
1979	4	291,238	14,367
1980	5	310,308	11,716
1981	5	325,547	1,4,264
1982	5	343,354	20,318
1983	5	NA	NA

SOURCE: Insurance Information Institute, Insurance Facts, years indicated.

TABLE VI - 21

PURCHASE OF ORDINARY LIFE INSURANCE
(in hundred thousand dollars)

Year	Montana	Idaho	Wyoming	United States
1967	306	317	143	94,694
1968	337	356	153	103,944
1969	370	366	167	113,500
1970	408	402	203	122,820
1971	436	447	210	132,130
1972	480	504	231	145,479
1973	571	564	263	162,798
1974	601	665	352	182,455
1975	650	747	354	188,003
1976	724	890	436	213,784
1977	899	1,067	510	247,453
1978	1,019	1,294	622	283,067
1979	1,119	1,401	762	329,571
1980	1,302	1,680	895	385,575
1981	1,490	2,111	1,013	463,843
1982	2,011	2,636	1,257	585,444

SOURCES: Life Insurance Marketing & Research Association, & Institute of Life Insurance. Series includes mass-marketed ordinary insurance.

TABLE VI - 22

LIFE INSURANCE IN MONTANA
(in thousands of dollars)

Year	Number of Companies	Life Ins. in Force	Avg. Amt. of Life Ins. in Force per Family	Purchase of Ordinary Life Ins.
1960	NA	NA	NA	194,000
1970	4	3,811,000	16.7	408,000
1971	5	4,108,000	17.4	436,000
1972	4	4,443,000	18.2	480,000
1973	4	4,825,000	19.5	578,000
1974	4	5,510,000	20.2	622,000
1975	4	6,066,000	22.8	650,000
1976	3	6,642,000	24.4	724,000
1977	3	7,417,000	26.7	899,000
1978	3	8,243,000	28.2	1,019,000
1979	3	9,432,000	31.8	1,119,000
1980	3	10,300,000	34.9	1,302,000
1981	3	12,402,000	38.6	1,557,000
1982	2	13,244,000	40.6	2,011,000

SOURCE: American Counsel of Life Insurance, Life Insurance Fact Book, years indicated.

TABLE VI - 23

REAL ESTATE & MORTGAGES OWNED BY LIFE INSURANCE COMPANIES
IN MONTANA
(in thousands of dollars)

Year	Real Estate Owned By Life Ins. Companies			Mortgages Owned By US Life Ins. Companies		
	Farm	Non-Farm	Total	Farm	Non-Farm	Total
1970	100	3,100	3,200	109,900	108,900	218,800
1971	NA	NA	NA	114,400	101,300	215,700
1972	NA	NA	NA	114,900	97,300	212,200
1973	NA	NA	NA	127,100	93,100	220,200
1974	100	5,300	5,400	138,300	94,300	232,600
1975	NA	NA	NA	149,500	88,600	238,100
1976	NA	NA	NA	166,300	96,300	262,600
1977	NA	NA	NA	193,000	96,800	289,800
1978	NA	NA	NA	251,000	116,700	387,700
1979	-	8,300	8,300	NA	NA	NA
1980	NA	NA	NA	377,200	165,900	543,100
1981	NA	NA	NA	374,500	165,400	539,900
1982	NA	NA	NA	376,300	156,000	532,300

SOURCE: American Counsel of Life Insurance, Life Insurance Fact Book, years indicated.

TABLE VI - 24

PREMIUMS & PAYMENTS FOR LIFE & HEALTH INSURANCE IN MONTANA
(in thousands of dollars)

Year	Premium Receipts for Life Ins.	Premium Receipts for Health Ins.	Life Ins. & Annuity Benefit Payments	Payment to Life Ins. Beneficiaries
1970	NA	NA	47,000	NA
1971	NA	NA	47,100	20,600
1972	NA	NA	51,700	22,700
1973	70,000	55,000	55,600	23,600
1974	76,000	62,000	57,200	23,400
1975	80,000	61,000	60,700	25,700
1976	86,000	67,000	66,600	25,900
1977	94,000	74,000	67,700	26,100
1978	102,000	82,000	75,400	28,900
1979	109,000	86,000	88,500	30,400
1980	114,000	88,000	107,100	37,300
1981	121,000	97,000	118,600	40,000
1982	126,000	105,000	136,800	43,200

SOURCE: American Counsel of Life Insurance, Life Insurance Fact Book, years indicated.

TABLE VI - 25

PREMIUM RECEIPTS OF U.S. LIFE INSURANCE COMPANIES BY STATE
(dollar amounts in millions)

	1980		1981		1982	
	Life	Health	Life	Health	Life	Health
Montana	114	88	121	97	126	105
Idaho	130	81	141	88	146	94
Wyoming	73	62	84	76	88	83
Total US	37,164	28,676	39,423	31,136	41,575	34,364

SOURCE: American Council of Life Insurance, Life Insurance Fact Book, 1983.

TABLE VI - 26

REAL ESTATE OWNED BY U.S. LIFE INSURANCE COMPANIES: 1982
(dollar amounts in thousands)

	Farm	Other	Total
Montana	*	8,300	8,300
Idaho	4,000	8,200	12,200
Wyoming	900	1,300	2,200
Total U.S.	241,400	12,765,900	13,007,300

* less than \$50,000

SOURCE: American Council of Life Insurance, Life Insurance Fact Book, 1983.

TABLE VI - 27

MORTGAGES OWNED BY U.S. LIFE INSURANCE COMPANIES
BY TYPE: 1982
(in thousands)

	Farm	Non-Farm	Other
Montana	376,300	156,000	532,300
Idaho	261,000	290,500	551,500
Wyoming	135,500	163,600	299,100
Total U.S.	12,805,200	125,913,600	138,718,800

SOURCE: American Council of Life Insurance, Life Insurance Fact Book, 1983.

TABLE VI - 28

NUMBER OF U.S. LIFE INSURANCE COMPANIES
MID-YEAR, 1982

State	Number
Montana	2
Idaho	6
Wyoming	2
United States	2,035

NOTE: Data are based on reports from individual state insurance departments. These companies are considered legal reserve life insurance companies by their respective state insurance departments but may not meet the requirements for this classification as set by other states.

SOURCE: American Council of Life Insurance, Life Insurance Fact Book, 1983.

TABLE VI - 29

LIFE INSURANCE IN FORCE
& BENEFIT PAYMENTS
(applies to policies & payments in the US)

	Policies (1,000)	Value (bil. dol.)	Avg. per Family (dol.)	Benefit* Payments (mil. dol)
Montana	1,130	13.2	40,600	136.8
Idaho	1,371	15.9	44,000	174.4
Wyoming	672	9.5	48,100	87.6
Total U.S.	389,560	4,476.7	49,300	47,933.6

* comprises death payments, matured endowments, disability and annuity payments, surrender values, and policy dividends.

NOTE: The average amounts per family are arithmetic means. "Family" includes primary families, subfamilies, and unrelated individuals.

SOURCE: American Council of Life Insurance, Life Insurance Fact Book, 1983.

TABLE VI - 30

ECONOMIC DEVELOPMENT ADMINISTRATION
OBLIGATED PUBLIC WORKS PROJECTS
(excludes PWIP & Emergency Job Act Projects)

	Fiscal Year 1983		Cumulative FY 1966-83	
	Number of Projects	EDA Investment (thousands)	Number of Projects	EDA Investment (thousands)
Montana	0	0	76	33,948
Idaho	3	1,873	85	36,106
Wyoming	0	0	11	2,137
Total U.S.	137	102,268	4,938	2,938,338

PWIP - Public Works Impact Program

EDA - Economic Development Administration

SOURCE: U.S. Dept. of Commerce, Annual Report: Economic Development Administration, 1984.

TABLE VI - 31

ECONOMIC DEVELOPMENT ADMINISTRATION
EMERGENCY JOB ACT OBLIGATED PROJECTS
(Fiscal Year 1983)

	Non-PWIP		PWIP	
	Number of Projects	EDA Investment (thousands)	Number of Projects	EDA Investment (thousands)
Montana	2	573	0	0
Idaho	0	0	3	649
Wyoming	NA	NA	NA	NA
Total U.S.	103	57,322	108	42,677

PWIP - Public Works Impact Program

EDA - Economic Development Administration

SOURCE: U.S. Dept. of Commerce, Annual Report: Economic Development Administration, 1984.

TABLE VI - 32

ECONOMIC DEVELOPMENT ADMINISTRATION
PUBLIC WORKS IMPACT PROGRAM OBLIGATED PROJECTS
(Includes Disaster Assistance PWIP Projects)

	Fiscal Year 1983		Cumulative FY 1972-83	
	Number of Projects	EDA Investment (thousands)	Number of Projects	EDA Investment (thousands)
Montana	1	480	16	4,699
Idaho	1	580	27	4,076
Wyoming	0	0	4	1,269
Total U.S.	50	27,645	1,371	418,387

PWIP - Public Works Impact Program

EDA - Economic Development Administration

SOURCE: U.S. Dept. of Commerce, Annual Report: Economic Development Administration, 1984.

TABLE VI - 33

ECONOMIC DEVELOPMENT ADMINISTRATION
ECONOMIC ADJUSTMENT ASSISTANCE PROJECTS

	Fiscal Year 1983		Cumulative FY 1972-83	
	Number of Projects	EDA Investment (thousands)	Number of Projects	EDA Investment (thousands)
Montana	0	0	10	3,110
Idaho	0	250	9	6,770
Wyoming	0	0	2	269
Total U.S.	51	33,198	546	569,023

PWIP - Public Works Impact Program

EDA - Economic Development Administration

SOURCE: U.S. Dept. of Commerce, Annual Report: Economic Development Administration, 1984.

TABLE VI - 34

SUMMARY OF ECONOMIC DEVELOPMENT ADMINISTRATION OBLIGATED PROJECTS
BY STATE, BY PROGRAM
FOR FISCAL YEAR ENDING SEPTEMBER 30, 1983*

Program	U.S.	Montana	Idaho	Wyoming
Public Works:				
Number of Projects	187	1	4	0
Amount (\$000)	129,912	480	2,453	0
Emergency Jobs Act:				
Number of Projects	211	2	3	0
Non-PWIP (thousands)	57,332	573	0	0
PWIP (\$000)	42,677	0	649	0
Technical Assistance:				
Number of Projects	92	0	0	0
Amount (\$000)	7,644	0	0	0
Planning Grants:				
Number of Projects	923	20	20	2
Amount (\$000)	24,979	402	529	60
Economic Adjustment:				
Number of Projects	51	0	0	0
Amount (\$000)	33,198	0	250	0
State Totals:				
Number of Projects	1,464	23	27	2
Amount (\$000)	295,738	1,455	3,881	60

* does not include projects funded under Title III, Section 304, of the Public Works and Economic Development Act

SOURCE: U.S. Dept. of Commerce, Annual Report: Economic Development Administration, 1984.

TABLE VI - 35

SUMMARY OF ECONOMIC DEVELOPMENT ADMINISTRATION OBLIGATED PROJECTS
BY STATE, BY PROGRAM
CUMULATIVE TO SEPTEMBER 30, 1983*
(excluding drought assistance, local public works, & emergency jobs act)

Program	Montana	Idaho	Wyoming	U.S.
Public Works:				
Number of Projects	92	112	15	6,309
Amount (\$000)	38,647	40,182	3,406	3,356,724
Business Development & Trade Act**				
Number of Projects	15	7	1	1,309
Loans (\$000)	5,384	6,621	781	792,219***
Guarantees	3,708	0	0	873,873****
Technical Assistance:				
Number of Projects	77	37	9	5,029
Amount (\$000)	1,655	1,207	105	284,043
Planning Grants:				
Number of Projects	145	103	10	5,201
Amount (\$000)	5,958	4,936	451	282,148
Economic Adjustment:				
Number of Projects	10	9	2	546
Amount (\$000)	3,110	6,770	267	569,023
State Totals:				
Number of Projects	339	268	37	18,394****
Amount (\$000)	58,463	59,717	5,010	6,158,037****

- * Does not include projects funded under Title III, Section 304, of the Public Works and Economic Development Act.
- ** Includes Trade Act projects for years the program was administered by the Economic Development Administration, FY 1975 - FY 1981.
- *** Agency exposure for guarantee of up to 90 percent of unpaid balance of loans.
- **** Represents current obligations and deobligations of prior year funds.

SOURCE: U.S. Dept. of Commerce, Annual Report: Economic Development Administration, 1984.

TABLE VI - 36

SUMMARY OF ECONOMIC DEVELOPMENT ADMINISTRATION OBLIGATED PROJECTS
BY STATE, BY PROGRAM
CUMULATIVE TO SEPTEMBER 30, 1983*
(including drought assistance, local public works, & emergency jobs act)

Program	Montana	Idaho	Wyoming	U.S.
Public Works:				
Number of Projects	169	242	103	17,395
Amount (\$000)	82,218	84,029	43,663	9,566,542
Business Development & Trade Act**				
Number of Projects	15	7	1	1,309
Loans (\$000)	5,384	6,621	781	792,219***
Guarantees	3,708	0	0	878,873****
Technical Assistance:				
Number of Projects	77	37	9	5,029
Amount (\$000)	1,655	1,207	105	284,043
Planning Grants:				
Number of Projects	145	103	10	5,201
Amount (\$000)	5,958	4,936	451	282,148
Economic Adjustment:				
Number of Projects	10	9	2	546
Amount (\$000)	3,110	6,770	267	569,023
State Totals:				
Number of Projects	416	398	125	29,480****
Amount (\$000)	102,034	103,564	45,267	12,367,855****

* Does not include projects funded under Title III, Section 304, of the Public Works and Economic Development Act.

** Includes Trade Act projects for years the program was administered by the Economic Development Administration, FY 1975 - FY 1981.

*** Agency exposure for guarantee of up to 90 percent of unpaid balance of loans.

**** Represents current obligations and deobligations of prior year funds.

SOURCE: U.S. Dept. of Commerce, Annual Report: Economic Development Administration, 1984.

TABLE VI - 37

SUMMARY OF ECONOMIC DEVELOPMENT ADMINISTRATION OBLIGATED PROJECTS IN MONTANA
BY PROGRAM, CUMULATIVE TO SEPTEMBER 30
(including drought assistance, local public works, & emergency jobs act)

	1977	1978	1979	1980	1981	1982	1983
Public Works:							
Number of Projects	151	153	162	164	165	166	169
Amount (thousands)	\$75,086	\$75,917	\$79,271	\$80,220	\$80,954	\$81,167	\$82,218
Business Development & Trade Act: [*]							
Number of Projects	10	10	12	15	15	15	15
Loans (thousands)	\$3,914	\$3,914	\$4,399	\$5,384	\$5,384	\$5,384	\$5,384
Guarantees (thousands) ^{**}	\$684	\$684	\$2,934	\$3,708	\$3,708	\$3,708	\$3,708
Technical Assistance:							
Number of Projects	72	73	77	77	77	77	77
Amount (thousands)	\$1,589	\$1,605	\$1,655	\$1,655	\$1,655	\$1,655	\$1,655
Planning Grants:							
Number of Projects	66	75	89	100	103	125	145
Amount (thousands)	\$3,141	\$3,463	\$4,128	\$4,651	\$5,099	\$5,556	\$5,958
Economic Adjustment:							
Number of Projects	2	4	7	8	10	10	10
Amount (thousands)	\$387	\$1,795	\$2,313	\$2,563	\$3,213	\$3,195	\$3,110
State Totals:							
Number of Projects ^{***}	301	315	347	364	370	393	416
Amount (thousands)	\$84,800	\$87,378	\$94,701	\$98,182	\$100,014	\$100,666	\$102,034

NOTE: Does not include projects funded under Title III, Section 304 of the Public Works & Economic Development Act.

^{*} Includes Trade Act projects for years the program was administered by the Economic Development Administration; FY 75-81.

^{**} Agency exposure for guarantee of up to 90 percent of unpaid balance of loans.

^{***} Represents current obligations and deobligations of prior year funds.

SOURCE: U.S. Economic Development Administration, Annual Report, years indicated.

SUMMARY OF ECONOMIC DEVELOPMENT ADMINISTRATION OBLIGATED PROJECTS IN MONTANA
BY PROGRAM, CUMULATIVE TO SEPTEMBER 30
(excluding drought assistance, local public works, & emergency jobs act)

	1976	1977	1978	1979	1980	1981	1982	1983
Public Works:								
Number of Projects	66	75	78	87	.89	90	91	92
Amount (thousands)	\$27,374	\$31,794	\$32,825	\$36,185	\$37,142	\$37,889	\$38,169	\$38,647
Business Development & Trade Act :[*]								
Number of Projects	9	10	10	12	15	15	15	15
Loans (thousands)	\$2,714	\$3,914	\$3,914	\$4,399	\$5,384	\$5,384	\$5,384	\$5,384
Guarantees (thousands) ^{**}	\$684	\$684	\$684	\$2,934	\$3,708	\$3,708	\$3,708	\$3,708
Technical Assistance:								
Number of Projects	69	72	73	77	77	77	77	77
Amount (thousands)	\$1,290	\$1,589	\$1,605	\$1,655	\$1,655	\$1,655	\$1,655	\$1,655
Planning Grants:								
Number of Projects	56	66	75	89	100	103	125	145
Amount (thousands)	\$2,679	\$3,141	\$3,463	\$4,128	\$4,651	\$5,099	\$5,556	\$5,958
Economic Adjustment:								
Number of Projects	1	2	4	7	8	10	10	10
Amount (thousands)	\$200	\$387	\$1,795	\$2,313	\$2,563	\$3,213	\$3,195	\$3,110
State Totals:								
Number of Projects ^{***}	201	225	240	272	289	295	318	339
Amount (thousands)	\$34,256	\$41,508	\$44,286	\$51,615	\$55,104	\$56,949	\$57,668	\$58,463

NOTE: Does not include projects funded under Title III, Section 304 of the Public Works & Economic Development Act.

* Includes Trade Act projects for years the program was administered by the Economic Development Administration; FY 75-81.

** Agency exposure for guarantee of up to 90 percent of unpaid balance of loans.

*** Represents current obligations and deobligations of prior year funds.

SOURCE: U.S. Economic Development Administration, Annual Report, years indicated.

SUMMARY OF ECONOMIC DEVELOPMENT ADMINISTRATION OBLIGATED PROJECTS IN MONTANA
BY PROGRAM, CUMULATIVE TO SEPTEMBER 30

	1976	1977	1978	1979	1980	1981	1982	1983
Public Works:								
Number of Projects	4	6	3	9	2	1	1	1
Amount (thousands)	\$2,179	\$3,023	\$1,116	\$3,361	\$961	\$750	\$280	\$480
Business Development & Trade Act:								
Number of Projects	3	1	0	2	3	0	0	0
Loans (thousands)	\$665	\$1,200	0	\$485	\$986	0	0	0
Guarantees (thousands)*	NA	0	0	\$2,250	\$774	0	0	0
Technical Assistance:								
Number of Projects	4	3	1	3	0	0	0	0
Amount (thousands)	\$137	\$300	\$16	\$52	0	0	0	0
Planning Grants:								
Number of Projects	9	10	9	13	11	3	22	20
Amount (thousands)	\$608	\$471	\$335	\$681	\$537	\$460	\$464	\$402
Economic Adjustment:								
Number of Projects	0	1	2	3	1	2	0	0
Amount (thousands)	0	\$187	\$1,409	\$518	\$250	\$650	0	0
State Totals:								
Number of Projects	20	21	15	30	17	6	23	23
Amount (thousands)	\$3,589	\$5,180	\$2,876	\$7,348	\$3,508	\$1,860	\$744	\$1,455

NOTE: Does not include projects funded under Title III, Section 304 of the Public Works & Economic Development Act.

* Agency exposure for guarantee of up to 90 percent of unpaid balance of loans.

SOURCE: U.S. Economic Development Administration, Annual Report, years indicated.

TABLE VI - 40

SMALL BUSINESS ADMINISTRATION LOANS IN MONTANA

Fiscal Year	Total [*]	Total Amount ^{**}
	Business Loans	(thousands)
1981	1,991	\$157,974
1982	2,457	\$201,636
1983	2,613	\$220,707
10 Months July 1984	2,766	\$247,142

* Includes direct loans and loan guarantees, but not disaster loans.
 ** Represents current loan portfolio

SOURCE: Small Business Administration, Helena, 1984, unpublished data.

TABLE VI - 41

SMALL BUSINESS ADMINISTRATION LOANS & FAILURES IN MONTANA

	New Loans		Failures [*]
	Amount	Number	
1980:			
7a	\$54,944.0	528	84
Development Co.	\$108	1	
1981:			
7a	\$44,685.0	411	115
Development Co.	0	11	
1982:			
7a	\$34,611.0	347	146
Development Co. 503	\$43.0	1	
1983:			
7a	\$73,987.0	611	154
Development Co. 503	\$173.0	2	
Development Co. 502	\$805.1	2	
1984: (11 mos.)			
7a	\$58,993.9	498	134
Development Co.	\$286.4	2	

* best estimate

Nationally, 90 percent of the approximately 400,000 businesses that dissolve each do so for voluntary reasons, such as retirement of the owner, or a desire to enter a more profitable field. Almost ten percent of the businesses that annually cease operations do so for involuntary reasons. They may file for bankruptcy or be considered a business failure if the organization ceases to operate and leaves outstanding debt. Ninety-nine percent of failed businesses have fewer than 100 employees and over 80 percent are ten years old.

SOURCE: Small Business Administration, Helena, 1984, unpublished data.

TABLE VI - 42

LOANS & DISCOUNTS MADE BY THE FARM CREDIT ADMINISTRATION IN MONTANA
DURING THE YEAR ENDED DECEMBER 31
(dollar amounts in thousands)

	1979	1980	1981
Federal Land Banks:			
Number	924	989	928
Amount	\$107,451	\$143,055	\$122,638
Production Credit Associations (PCA's):			
Number	4,881	5,273	\$5,748
Amount	\$554,540	\$637,313	\$803,357
Federal Intermediate Credit Banks ^{**} :			
Discounts for OFI's	\$2,264	\$21,461	\$29,835
Participations with PCA's	0	0	0
Banks for Cooperatives:			
Number	59	66	48
Amount	\$27,739	\$56,887	\$38,214
Total Amount:	\$691,994	\$858,716	\$994,004

*

* Number of members having loans outstanding at any time during the year.

** Number not available

SOURCE: Farm Credit Administration, Annual Report of the Farm Credit Administration and the Farm Credit System, years indicated.

TABLE VI - 43

FARMERS' HOME ADMINISTRATION LOANS IN MONTANA

Year	Indian Acquisition Loans Approved		Business & Industrial Loans	
	Number	Amount	Number	Amount
1971	1	\$ 548,000		
1972	0	0		
1973	2	2,500,000		
1974	2	2,000,000	11	\$ 876,500
1975	0	0	5	1,792,500
1976	2	3,000,000	2	2,100,000
1977	3	3,250,000	3	2,199,000
1978	2	2,891,000	7	2,570,130
1979	0	0	18	11,862,000
1980	0	0	13	3,892,030
1981	0	0	2	4,066,500
1982	0	0	0	0
1983	1	1,000,000	0	0

SOURCE: Farmers' Home Administration, Montana, 1983-84, 1984.

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FARMERS' HOME ADMINISTRATION LOANS IN MONTANA

Year	Individual Rural Housing Loans		515 Rural Rental Housing Loans	
	Number	Amount	Number	Amount
1966	174	\$ 1,558,200	1	\$ 67,170
1967	174	1,710,894	1	49,900
1968	175	1,915,050	0	0
1969	177	1,795,873	0	0
1970	183	2,015,782	0	0
1971	251	3,074,350	0	0
1972	272	3,665,870	3	200,950
1973	357	4,876,000	20	5,331,000
1974	345	5,934,000	18	4,745,000
1975	590	11,301,790	17	3,661,700
1976	1196	26,070,000	24	6,350,000
1977	928	22,697,840	19	6,780,800
1978	826	22,218,540	13	5,319,000
1979	727	21,495,000	16	5,524,000
1980	643	18,562,000	14	5,301,280
1981	607	18,343,470	21	5,876,600
1982	781	23,444,000	28	9,770,000
1983	464	14,355,040	3	1,678,030

SOURCE: Farmers' Home Administration, Montana 1983-84, 1984.

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FARMERS' HOME ADMINISTRATION LOANS IN MONTANA

Year	Watershed Loans		Community Facility Loans		Grazing Association Loans Approved	
	Number	Amount	Number	Amount	Number	Amount
1960	1	\$ 337,500				
1961	0	0				
1962	0	0				
1963	0	0			0	0
1964	0	0	1	\$ 35,000	3	\$ 1,100,210
1965	0	0	2	18,580	5	2,273,300
1966	0	0	0	0	7	2,757,930
1967	0	0	3	806,000	6	1,018,450
1968	0	0	1	115,000	5	1,569,340
1969	0	0	2	188,000	2	760,730
1970	1	250,000	0	0	3	1,444,000
1971	1	400,000	0	0	7	1,638,800
1972	1	270,000	0	0	0	0
1973	1	880,000	0	0	2	967,500
1974	0	0	0	0	0	0
1975	1	785,000	6	5,024,000	2	713,000
1976	0	0	2	710,000	3	1,040,000
1977	0	0	3	2,558,700	0	0
1978	0	0	0	0	1	624,400
1979	0	0	2	3,210,000	1	850,000
1980	0	0	4	1,020,000	2	2,630,000
1981	0	0	4	1,140,000	0	0
1982	0	0	1	125,000	0	0
1983	0	0	2	1,326,000	0	0

SOURCE: Farmers' Home Administration, Montana, 1983-84, 1984.

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FARMERS' HOME ADMINISTRATION LOANS IN MONTANA

Year	Irrigation, Drainage & Soil Conservation Loans Approved		Emergency Loans		Water & Waste Disposal Loans	
	Number	Amount	Number	Amount	Number	Amount
1941	2	\$ 30,480				
1942	0	0				
1943	1	22,000				
1944	0	0				
1945	1	18,000				
1946	0	0				
1947	2	33,000				
1948	1	3,800				
1949	1	43,000				
1950	1	19,000				
1951	1	32,000	54	\$ 114,955		
1952	3	116,700	58	99,085		
1953	2	15,500	62	128,061	2	\$ 100,000
1954	1	30,000	133	3,122,986	0	0
1955	0	0	116	1,384,505	3	365,000
1956	0	0	110	1,085,816	0	0
1957	0	0	83	672,221	0	0
1958	1	40,000	34	227,769	0	0
1959	4	153,000	16	112,404	0	0
1960	1	2,000	7	76,598	1	15,000
1961	3	175,000	4	46,172	1	225,000
1962	2	90,000	468	2,380,191	2	150,000
1963	2	175,000	355	1,957,885	0	0
1964	1	5,200	71	370,920	0	0
1965	2	38,600	193	1,025,221	3	108,500
1966	3	74,980	149	906,236	3	146,500
1967	3	47,000	23	276,973	9	836,750
1968	6	69,960	15	142,153	7	615,200
1969	0	0	6	30,217	5	304,000
1970	0	0	4	57,834	8	591,270
1971	1	20,000	3	71,166	5	330,800
1972	4	192,300	8	267,508	9	652,700
1973	1	4,500	1	39,500	8	622,600
1974	3	177,700	NA	NA	4	2,480,500
1975	3	101,700	1	20,650	12	3,202,000
1976	6	608,000	2	20,900	8	3,674,000
1977	0	0	7	191,250	9	1,527,800
1978	0	0	1,392	85,217,090	10	2,649,000
1979	1	33,000	862	73,449,360	8	1,931,900
1980	4	159,700	1,364	71,392,130	14	3,762,500
1981	3	162,000	1,690	77,081,400	12	4,135,000
1982	2	260,000	429	21,221,222	3	809,000
1983	1	330,000	57	3,539,300	2	324,700

SOURCE: Farmers' Home Administration, Montana, 1983-84, 1984.

TABLE VI - 47

FARMERS' HOME ADMINISTRATION LOANS IN MONTANA

Year	Farm Ownership Loans		Operating Loans Obligated		Individual Soil & Water Loans Approved	
	Number	Amount	Number	Amount	Number	Amount
1947			1374	\$ 1,477,380		
1948	13	\$ 138,375	1242	1,483,410		
1949	21	204,405	1317	1,919,075		
1950	46	503,162	1461	2,077,835		
1951	45	518,774	1361	2,358,247		
1952	21	245,677	1290	3,250,167		
1953	16	153,021	1351	3,332,681		
1954	15	181,828	1370	3,549,964		
1955	25	320,024	1274	3,069,089	25	\$ 100,540
1956	47	677,165	1235	2,973,259	26	88,430
1957	61	858,825	1249	4,168,319	16	77,932
1958	72	1,141,190	1085	3,552,371	21	88,143
1959	61	1,054,372	875	2,996,103	29	106,706
1960	42	735,887	837	3,903,027	8	30,648
1961	70	1,149,153	869	4,480,133	29	147,770
1962	261	5,210,457	941	6,678,001	45	214,400
1963	246	4,598,502	962	7,919,617	39	179,522
1964	214	4,001,204	1236	10,047,731	44	224,640
1965	180	3,219,677	1129	8,947,791	11	46,320
1966	205	4,241,966	1026	7,648,621	14	95,930
1967	203	5,178,348	1044	7,341,093	16	113,303
1968	153	3,834,439	939	6,941,082	12	89,560
1969	217	5,480,667	868	6,345,739	10	56,210
1970	135	4,341,760	704	5,993,060	15	71,000
1971	126	3,844,202	670	6,014,010	19	90,000
1972	173	6,300,841	678	6,284,110	7	55,600
1973	202	8,072,560	663	7,633,830	7	84,560
1974	159	6,309,350	662	8,418,540	24	270,600
1975	139	6,637,000	622	7,708,396	6	60,500
1976	119	6,954,250	429	6,353,660	50	917,270
1977	138	8,110,730	457	6,525,390	68	1,146,170
1978	143	9,494,580	486	7,158,120	72	1,892,160
1979	147	12,150,900	421	10,665,400	38	991,140
1980	155	14,697,190	298	9,346,330	55	1,765,290
1981	146	11,006,100	259	8,409,560	38	1,321,900
1982	146	13,078,660	481	15,119,590	16	479,050
1983	154	15,938,280	681	25,632,470	11	526,000

SOURCE: Farmers' Home Administration, Montana, 1983-84, 1984.

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FARMERS' HOME ADMINISTRATION OPERATING LOANS IN MONTANA
ACTIVE BORROWERS DELINQUENT AS OF DECEMBER 31

	FmHA Operating Loans		Farm Ownership Loans		FmHA EM/EE [*] Loans	
	Number Delinq.	Percent Delinq.	Number Delinq.	Percent Delinq.	Number Delinq.	Percent Delinq.
1965	899	62	282	23	116	81
1966	846	61	272	21	103	74
1967	835	63	339	25	81	79
1968	789	62	323	23	67	77
1969	618	53	258	18	38	66
1970	576	55	306	21	28	76
1971	462	49	275	19	22	88
1972	378	42	246	18	14	70
1973	291	37	192	14	8	73
1974	498	65	348	26	4	67
1975	527	62	320	24	5	63
1976	339	37	174	13	2	7
1977	NA	NA	NA	NA	NA	NA
1978	244	31	138	10	9	1
1979	193	26	101	7	67	8
1980	193	26	107	7	176	10
1981	232	29	150	10	322	15
1982	381	25	265	14	1239	27
1983	379	21	389	19	1678	39

* EM/EE - emergency loans (for things such as flood, fire, drought, or economic emergency)

SOURCE: Farmers' Home Administration, Montana, 1983-84, 1984.

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FARMERS' HOME ADMINISTRATION
MONTANA LOANS AS OF AUGUST 1, 1984

Type of Loan	Number Approved	Total Dollar Volume
Operating Loans	662	\$23,898,050
Operating Loans (Guaranteed)	3	715,000
Emergency	178	4,988,470
Economic Emergency	71	10,458,550
Farm Ownership	90	9,269,820
Farm Ownership (Guaranteed)	2	585,000
Soil and Water	4	62,840
Total Farmer Programs:	<u>1,010</u>	<u>49,977,730</u>
Rural Housing	331	13,032,750
Community Programs	2	200,000
Grants	2	10,000
Business & Industry	<u>1</u>	<u>1,100,000</u>
Total, All Programs:	1,344	\$64,310,480

SOURCE: Farmers' Home Administration, Bozeman, Montana, August 1984, unpublished data.

TABLE VI - 50

FARMERS' HOME ADMINISTRATION
VOLUME OF LOANS IN MONTANA

Program	FY 1979	FY 1980	FY 1981	FY 1982	FY 1983
Community & Business:					
Business & Industry	\$11,862,000	\$ 3,486,155	\$ 5,545,000	0	0
Community Programs					
Water Loans	1,464,100	2,601,750	3,552,900	0	\$ 124,400
Water Grants	1,013,300	1,043,150	1,085,000	0	0
Sewer Loans	467,800	1,160,750	582,100	\$ 809,000	200,300
Sewer Grants	280,000	409,700	0	0	0
Industrial Develop. Grants	65,500	425,000	32,300	0	0
Community Facilities Loans	3,210,000	1,020,000	1,140,000	125,000	1,326,000
Totals:	<u>6,500,700</u>	<u>6,660,350</u>	<u>6,392,300</u>	<u>934,000</u>	<u>1,650,700</u>
Rural Housing:					
Section 502	22,430,000	18,500,000	19,700,000	23,494,000	14,355,040
Section 504 Loans	21,630	35,050	35,950	18,860	28,080
Section 504 Grants	69,500	91,550	76,020	52,680	37,920
Rural Rental Housing	5,500,000	5,300,000	6,350,000	9,770,000	1,678,030
Totals:	<u>28,021,130</u>	<u>23,926,600</u>	<u>26,161,970</u>	<u>33,335,540</u>	<u>16,099,070</u>
Farmer Programs:					
Operating Loans	10,665,400	12,343,706	8,409,560	15,119,590	25,632,470
Emergency Loans	31,657,110	52,064,760	51,920,030	21,221,220	3,539,300
Economic Emergency	41,792,250	31,847,214	25,161,370	NA	NA
Farm Ownership	12,150,900	13,394,307	11,006,100	13,078,660	15,938,280
Soil & Water	991,140	2,155,680	1,321,900	479,050	526,000
Recreation Loans	95,000	0	80,000	0	0
Grazing Associations	850,000	2,630,000	0	0	0
Irrigation & Drainage	0	0	31,000	0	0
RC&D	0	0	131,000	260,000	330,000
Indian Land Acquisition	0	0	0	0	1,000,000
Totals:	<u>98,201,800</u>	<u>114,435,772</u>	<u>98,060,960</u>	<u>50,158,520</u>	<u>46,966,040</u>
Total Loans & Grants:	\$144,585,630	\$148,508,772	\$136,160,230	\$84,428,060	\$64,715,820

SOURCE: Farmers' Home Administration, Montana, 1983-84, 1984.

CHAPTER VII

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Table VII-1

Montana Businesses—Establishments, Employees, and Payroll by Major Industry Group: 1982 and 1981

(Excludes government employees, railroad employees, self-employed persons, etc. Size class 1 to 4 includes establishments having payroll but no employees during mid-March pay period. "D" denotes figures withheld to avoid disclosure of operations of individual establishments, the other alphabets indicate employment size class—see footnote.)

SIC code	Major industry group	1982				1981			
		Number of establishments	Number of employees for week including March 12	Payroll (\$1,000)		Number of establishments	Number of employees for week including March 12	Payroll (\$1,000)	
				First Quarter	Annual			First Quarter	Annual
	Total	20 720	198 469	623 961	2 646 657	20 557	* 205 239	* 609 365	* 2 825 985
	Agricultural services, forestry, fisheries	220	847	1 586	8 150	219	913	1 757	8 623
07	Agricultural services	194	695	1 363	7 281	189	736	1 440	7 195
08	Forestry	25	(C)	(D)	(D)	27	(C)	(D)	(D)
09	Fishing, hunting, and trapping	1	(A)	(D)	(D)	3	(A)	(D)	(D)
	Mining	411	9 426	59 124	226 524	399	*9 986	*61 618	* 255 533
10	Metal mining	37	1 557	10 636	38 844	27	(G)	(D)	(D)
12	Bituminous coal and lignite mining	13	1 175	8 773	37 026	15	1 240	8 383	39 953
13	Oil and gas extraction	328	5 463	32 552	123 038	320	*5 330	*26 682	* 127 561
14	Nonmetallic minerals, except fuels	30	1 188	6 820	26 881	32	(G)	(D)	(D)
	Contract construction	1 858	10 030	36 821	201 996	1 865	12 338	43 591	216 801
15	General contractors and operative builders	598	3 187	11 375	65 293	643	4 157	12 608	63 286
16	Heavy construction contractors	212	2 180	8 929	55 953	205	2 975	12 837	72 609
17	Special trade contractors	1 048	4 663	16 517	80 750	1 017	5 206	18 145	80 906
	Manufacturing	973	19 677	89 185	381 408	955	22 617	96 914	411 789
20	Food and kindred products	110	3 407	14 381	55 055	103	3 427	12 954	54 821
22	Textile mill products	2	(C)	(D)	(D)	1	(C)	(D)	(D)
23	Apparel and other textile products	9	62	160	701	14	86	182	1 041
24	Lumber and wood products	328	6 232	27 364	133 155	343	8 471	39 475	158 181
25	Furniture and fixtures	14	164	476	2 139	15	223	668	2 535
26	Paper and allied products	3	(F)	(D)	(D)	3	(F)	(D)	(D)
27	Printing and publishing	156	2 421	7 620	29 814	150	2 553	6 852	28 647
28	Chemicals and allied products	24	481	2 763	12 031	23	473	2 272	10 944
29	Petroleum and coal products	9	855	5 879	26 683	8	982	5 558	26 659
30	Rubber and misc. plastics products	10	112	269	884	10	81	200	1 087
31	Leather and leather products	7	68	99	373	7	64	123	550
32	Stone, clay, and glass products	93	970	3 808	19 487	89	898	3 163	16 572
33	Primary metal industries	13	(G)	(D)	(D)	14	(G)	(D)	(D)
34	Fabricated metal products	47	833	3 489	13 292	45	1 174	4 402	22 816
35	Machinery, except electrical	63	639	2 427	8 808	58	547	1 716	8 115
36	Electric and electronic equipment	14	342	1 381	4 963	10	398	1 180	5 375
37	Transportation equipment	11	64	178	918	11	95	204	953
38	Instruments and related products	13	150	583	2 725	8	92	345	1 634
39	Miscellaneous manufacturing industries	40	468	1 601	6 199	35	410	1 154	5 034
--	Administrative and auxiliary	7	60	429	1 252	8	85	438	1 371
	Transportation and other public utilities	1 096	18 231	76 833	319 006	1 060	*16 313	*71 064	* 299 169
41	Local and interurban passenger transit	68	1 148	2 397	10 454	69	1 103	2 074	8 776
42	Trucking and warehousing	494	5 104	22 338	92 108	476	4 843	20 762	91 108
44	Water transportation	4	(A)	(D)	(D)	3	(A)	(D)	(D)
45	Transportation by air	66	687	2 955	12 315	57	828	3 331	14 267
46	Pipe lines, except natural gas	6	43	345	1 317	8	74	444	2 059
47	Transportation services	88	404	957	4 279	71	379	826	3 511
48	Communication	158	4 639	23 185	94 774	161	5 250	23 531	95 906
49	Electric, gas, and sanitary services	210	4 159	24 522	103 100	214	*3 817	*20 026	*83 238
	Wholesale trade	1 764	18 488	66 170	267 708	1 798	16 971	62 670	262 786
50	Wholesale trade-durable goods	823	9 064	38 253	151 367	921	9 551	36 962	151 352
51	Wholesale trade-nondurable goods	822	7 142	26 474	110 276	851	7 049	23 764	103 654
--	Administrative and auxiliary	19	282	1 443	6 065	26	371	1 945	7 780
	Retail trade	8 048	55 678	107 349	458 718	5 783	54 774	100 889	437 637
52	Building materials & garden supplies	428	2 772	7 658	32 811	438	2 994	7 505	32 713
53	General merchandise stores	185	4 770	9 934	42 291	178	4 815	9 632	40 591
54	Food stores	688	7 993	20 181	85 748	639	7 653	18 706	83 747
55	Automotive dealers & service stations	962	7 450	21 247	90 117	932	7 843	20 877	88 225
56	Apparel and accessory stores	552	3 373	5 744	24 437	530	3 216	5 376	22 821
57	Furniture and home furnishings stores	361	1 918	5 258	21 396	333	1 942	4 950	20 291
58	Eating and drinking places	1 771	20 199	21 887	97 153	1 646	19 387	20 085	88 573
59	Miscellaneous retail	1 082	6 606	12 829	53 756	1 047	6 292	11 076	48 830
--	Administrative and auxiliary	39	597	2 612	10 910	40	632	2 682	11 845
	Finance, insurance, and real estate	1 787	13 859	47 023	191 432	1 752	14 231	43 110	179 923
60	Banking	176	5 382	19 193	78 992	174	5 534	17 469	73 456
61	Credit agencies other than banks	209	1 669	4 986	20 159	206	1 674	4 688	19 072
62	Security, commodity brokers & services	61	312	2 915	11 181	51	295	2 647	10 310
63	Insurance carriers	130	1 528	6 326	24 605	138	1 742	6 247	24 694
64	Insurance agents, brokers & service	409	1 580	5 182	21 098	395	1 530	4 583	19 388
65	Real estate	669	2 291	5 097	21 336	685	2 624	4 800	21 221
66	Combined real estate, insurance, etc.	44	269	1 067	4 247	48	284	1 067	4 244
87	Holding and other investment offices	64	533	1 829	7 759	49	453	1 200	5 811
--	Administrative and auxiliary	5	95	429	2 055	6	95	410	1 727
	Services	8 036	55 875	139 084	585 666	5 588	*54 090	* 123 375	* 526 360
70	Hotels and other lodging places	466	6 697	9 236	39 778	452	6 704	8 677	37 035
72	Personal services	565	2 645	4 751	19 806	555	2 731	4 623	18 929
73	Business services	542	4 328	11 305	48 021	499	4 038	10 450	45 610
75	Auto repair, services, and garages	459	1 922	5 239	21 862	402	1 867	5 155	22 131
76	Miscellaneous repair services	219	892	2 631	11 408	217	1 009	3 304	14 206

A,0-19, B,20-89, C,100-249, E,250-499, F,500-999, G,1,000-2499, H,2,500-4,999, I,5,000-9,999, J,10,000-24,999, K,25,000-49,999, L,50,000-99,999, M,100,000 or more * Revised

Table VII-1 (continued)

SIC code	Major industry group	1982				1981			
		Number of establish- ments	Number of employees for week including March 12	Payroll (\$1,000)		Number of establish- ments	Number of employees for week including March 12	Payroll (\$1,000)	
				First Quarter	Annual			First Quarter	Annual
78	Motion pictures	83	774	709	2 810	82	829	655	2 858
79	Amusement & recreation services	265	2 302	3 333	13 372	220	1 730	2 585	11 177
80	Health services	1 387	20 270	63 883	275 228	1 281	19 262	54 318	235 065
81	Legal services	415	1 640	6 296	24 340	409	1 503	4 684	20 063
82	Educational services	58	1 959	3 888	14 241	54	1 986	3 513	13 831
83	Social services	342	5 013	7 588	32 059	286	*5 250	*8 017	*32 707
84	Museums, botanical, zoological gardens	10	57	79	388	8	48	70	297
86	Membership organizations	701	3 902	6 551	26 467	645	3 840	5 859	24 022
89	Miscellaneous services	510	3 312	13 208	53 114	465	3 160	10 895	46 022
--	Administrative and auxiliary	14	182	819	2 792	13	133	573	2 406
	Nonclassifiable establishments	547	558	806	8 050	1 138	3 006	4 378	27 368

A 0-19, B 20-99, C 100-248, E 250-499, F 500-999, G 1,000-2499, H 2,500-4,999, I 5,000-9,999, J 10,000-24,999, K 25,000-49,999, L 50,000-99,999, M 100,000 or more * Revised.

Source: U.S. Bureau of the Census, County Business Patterns, Montana, March 1984, pp. 1-2.

Table VII-2

Montana Businesses—Establishments, Employees, and Payroll by County: 1982 and 1981

(Excludes government employees, railroad employees, self-employed persons, etc. Size class 1 to 4 includes establishments having payroll but no employees during mid-March pay period. "D" denotes figures withheld to avoid disclosure of operations of individual establishments. the other alphabets indicate employment-size class—see footnote.)

County	1982				1981			
	Number of establishments	Number of employees for week including March 12	Payroll (\$1,000)		Number of establishments	Number of employees for week including March 12	Payroll (\$1,000)	
			First Quarter	Annual			First Quarter	Annual
Total	20 720	198 469	623 981	2 646 857	20 557	* 205 239	* 609 365	*2 625 985
Beaverhead	229	1 563	3 449	14 738	220	1 490	3 388	14 914
Big Horn	194	2 088	8 848	35 411	189	*2 190	*7 852	*34 388
Blaine	151	798	1 652	7 205	153	923	1 798	7 835
Broadwater	81	495	1 043	4 910	77	461	1 056	5 050
Carbon	187	990	1 861	8 523	166	1 091	1 972	8 565
Carter	33	141	262	1 248	33	171	277	1 233
Cascade	1 965	22 424	68 140	290 768	1 949	22 943	63 357	280 525
Chouteau	133	589	1 420	6 029	137	601	1 199	5 234
Custer	369	3 250	8 451	36 074	373	3 480	8 313	37 537
Daniels	77	460	1 058	4 633	84	438	987	4 180
Dawson	381	3 825	11 097	44 960	404	3 702	9 410	41 550
Deer Lodge	212	1 678	3 995	17 289	215	1 801	8 420	28 398
Fallon	113	837	2 467	9 717	110	733	1 989	8 926
Fergus	354	2 511	6 316	26 418	357	2 765	6 348	27 968
Flathead	1 512	13 312	42 961	179 381	1 446	14 109	44 891	184 473
Gallatin	1 360	12 170	30 108	127 502	1 314	11 646	27 716	120 097
Garfield	21	146	291	1 182	20	122	232	952
Glacier	290	2 283	7 506	29 612	302	*2 367	*6 606	*30 015
Golden Valley	14	39	56	258	17	41	58	248
Granite	59	261	710	3 390	59	319	715	3 064
Hill	502	4 409	11 713	50 297	503	*4 872	*11 869	*52 433
Jefferson	102	588	1 826	8 286	94	502	1 332	6 014
Judith Basin	45	170	269	1 292	40	161	284	1 386
Lake	376	2 510	5 857	25 517	367	2 663	5 825	25 402
Lewis and Clark	1 238	12 885	40 285	171 887	1 217	13 422	38 448	165 272
Liberty	58	259	919	3 387	60	295	856	3 534
Lincoln	388	2 780	9 971	49 485	370	3 169	11 371	46 506
McCone	54	469	1 445	6 291	54	509	1 192	5 330
Madison	160	641	1 695	7 227	140	691	1 728	7 715
Meagher	44	279	855	2 872	47	250	693	2 763
Mineral	76	376	706	5 261	85	606	1 632	6 788
Missoula	2 037	21 423	64 975	300 097	2 025	23 541	71 490	307 475
Musselshell	109	720	1 781	7 255	108	721	1 660	7 429
Park	337	2 398	5 271	23 619	342	2 498	5 559	24 959
Patroleum	6	14	11	52	9	11	16	80
Phillips	131	837	1 803	7 988	130	932	2 286	10 670
Pondera	184	1 062	2 689	12 095	189	1 187	2 858	12 467
Powder River	52	372	1 028	4 437	50	346	983	4 078
Powell	144	922	2 581	10 834	136	1 017	2 597	10 557
Prairie	41	143	274	1 274	39	168	264	1 237
Ravalli	453	3 011	6 683	29 827	475	3 022	6 874	30 920
Richland	417	4 538	14 739	59 640	450	4 527	13 349	60 783
Roosevelt	255	2 281	5 485	25 005	256	2 292	5 014	22 136
Rosebud	153	2 372	9 556	41 478	163	*2 571	*8 811	*39 981
Sanders	168	1 209	2 977	13 654	181	1 569	3 792	17 161
Shenden	187	1 391	3 374	13 534	196	1 433	3 360	15 068
Silver Bow	947	10 584	41 474	170 518	940	11 399	46 931	180 025
Stillwater	132	657	1 911	7 494	120	616	1 475	6 319
Sweet Grass	83	462	642	3 639	79	464	850	3 830
Teton	136	828	1 957	8 599	143	764	1 783	8 393
Toole	194	1 180	3 062	13 565	212	*1 246	*3 189	*14 548
Treasure	13	83	225	1 053	16	86	218	1 068
Valley	263	1 971	4 663	20 312	265	2 184	4 825	24 205
Wheatland	58	277	599	2 279	53	236	468	1 840
Wibaux	28	185	366	1 526	27	130	270	1 150
Yellowstone	3 345	41 812	151 991	625 019	3 275	41 475	135 347	590 941
Statewide	88	2 471	16 432	61 013	76	2 251	13 268	60 376

A 0-19, B 20-99, C 100-249, E 250-499, F 500-999, G 1,000-2,499, H 2,500-4,999, I 5,000-9,999, J 10,000-24,999, K 25,000-49,999, L 50,000-99,999, M 100,000 or more * Revised

Source: U.S. Bureau of the Census, *County Business Patterns, Montana, March 1984*, pp. 1-2.

TABLE VII - 3

MAJOR PRIVATE EMPLOYERS IN MONTANA^{*}: 1983
(listed in descending order of size)

Number	Name
1	Burlington Northern, Inc. (railroad transportation & wood products)
2	Montana Power Company (coal mining, electric & gas services)
3	Champion International (wood & paper products)
4	Mountain Bell
5	Buttrey's (retail groceries)
6	K-Mart
7	St. Vincent's Hospital (Billings)
8	Montana Deaconess Hospital (Great Falls)
9	Arco Metals, Inc. (aluminum processing)
10	Billings Deaconess Hospital
11	Four B's Restaurants
12	Columbus Hospital (Great Falls)
13	St. James Hospital (Butte)
14	Safeway Stores, Inc. (retail groceries)
15	St. Patrick's Hospital (Missoula)
16	J.C. Penney & Company
17	St. Regis Paper Company (wood products)
18	Asarco, Inc. (metal mining & processing)
19	Community Hospital (Missoula)
20	Lee Enterprises, Inc. (newspaper publishing)

* The two largest Montana employers are public; namely, the U.S. Government and Montana State Government.

SOURCE: Census & Economic Information Center, Montana Dept. of Commerce, 1984.

TABLE VII - 4

MAJOR MANUFACTURING EMPLOYERS IN MONTANA: 1983
(listed in descending order of size by employment)

Number	Name
1	Champion Building Products (wood & paper products)
2	Plum Creek Timber Company (wood products)
3	Arco Metals, Inc. (aluminum)
4	St. Regis Paper Company (wood products)
5	Lee Enterprises, Inc. (newspaper publishing)
6	*Pierce Packing Company (meat packing)
7	Interstate Brands Corp. (bakery products)
8	Asarco, Inc. (metal processing)
9	A&S Tribal Industries (fabricated textile products)
10	Conoco, Inc. (petroleum refining)
11	Exxon Company (petroleum refining)

* In 1983, Pierce Packing underwent a Chapter 11 bankruptcy reorganization and went out of business in December of 1984.

SOURCE: Census & Economic Information Center, Montana Dept. of Commerce, July 1984.

TABLE VII - 5

SOLE PROPRIETORSHIP BUSINESSES: BUSINESS RECEIPTS & NET INCOME
BY SEX OF PROPRIETOR & MAJOR INDUSTRY: TAX YEAR 1980
(dollar amounts in thousands)

Industry	United States			Montana		
	Number of Businesses	Total Receipts	Net Income	Number of Businesses	Total Receipts	Net Income
All Industries:	12,701,597	\$505,884,882	\$55,449,987	84,029	\$2,960,103	\$268,291
Ag., For. & Fish.	3,279,386	181,112,780	1,279,306	32,395	883,247	57,483
Mining, Constr. & Mfg.	1,489,280	71,248,141	9,429,488	10,287	411,615	47,340
Trans., Comm. & Electric	438,795	19,965,525	1,995,557	2,015	154,988	14,552
Wholesale & Retail Trade	2,527,084	202,283,802	9,375,330	14,577	986,292	27,502
Fin., Insur. & Real Est.	1,048,966	21,530,768	6,614,631	4,577	85,409	29,780
Services	3,918,166	89,743,865	26,755,755	20,178	438,553	91,634
Male-Operated Businesses:						
All Industries	9,172,108	453,284,081	50,185,091	58,987	2,663,728	226,107
Ag., For. & Fish.	2,507,955	91,750,130	1,483,897	21,522	776,608	27,648
Mining, Constr. & Mfg.	1,381,326	67,943,813	9,189,606	9,816	399,298	47,924
Trans., Comm. & Electric	403,681	18,990,381	1,858,068	1,821	139,688	13,288
Wholesale & Retail Trade	1,579,381	179,362,606	8,942,783	8,078	901,331	32,102
Fin., Insur. & Real Est.	663,779	17,538,319	5,132,976	3,758	79,884	27,449
Services	2,635,972	77,699,432	23,427,761	13,092	336,919	77,697
Female-Operated Businesses:						
All Industries	2,787,038	40,074,251	6,195,599	21,122	216,534	39,626
Ag., For. & Fish.	282,609	3,931,960	599,169	7,623	73,569	23,240
Mining, Constr. & Mfg.	84,221	1,977,303	192,474	360	10,472	-114
Trans., Comm. & Electric	27,696	698,144	47,969	147	9,798	1,404
Wholesale & Retail Trade	824,771	18,937,581	533,617	5,344	55,437	-886
Fin., Insur. & Real Est.	354,801	3,640,416	1,490,863	762	5,016	2,255
Services	1,212,940	10,888,846	3,331,505	6,886	62,251	13,728
Male & Female Jointly-Operated Businesses:						
All Industries	742,451	12,526,550	-850,703	4,820	79,841	2,558
Ag., For. & Fish.	488,742	5,340,690	-803,760	3,252	33,078	6,595
Mining, Constr. & Mfg.	23,739	1,327,025	47,327	111	1,846	-469
Trans., Comm. & Electric	7,418	277,801	-13,483	47	5,501	-140
Wholesale & Retail Trade	122,932	3,984,215	-101,071	1,155	29,523	-3,714
Fin., Insur. & Real Est.	38,366	352,932	20,792	57	549	76
Services	69,254	1,155,587	-3,511	208	9,384	209

SOURCE: Internal Revenue Service, Returns Analysis Section, Table K-3. (Figures are estimates based on samples)

TABLE VII - 6
SECURITIES ISSUED IN MONTANA

FY	New		Renewed	
	Number	Volume	Number	Volume
1979	450	\$ 746,270,833	399	\$ 3,029,112,729
1980	588	4,940,904,099	418	9,858,297,995
1981	1,175	6,979,407,721	459	6,705,049,092
1982	1,234	12,042,699,935	510	17,063,783,005
1983	1,582	36,883,920,073	612	26,510,936,739
1984	1,702	67,966,927,001	721	57,005,520,464

SOURCE: Securities Division, Montana State Auditor's Office, September 1984.

TABLE VII - 7
BANKRUPTCIES IN MONTANA

Year *	Number of Cases			
	Total	Chapter 7	Chapter 11	Chapter 13
1970	907	900	2	5
1971	962	948	4	10
1972	898	893	0	5
1973	805	795	3	7
1974	770	767	0	3
1975	865	853	3	9
1976	861	841	4	16
1977	768	757	7	4
1978	773	765	4	4
1979	898	891	4	3
1980	1,036	1,002	16	18
1981	1,178	1,106	24	48
1982	990	889	56	45
1983	993	851	101	41

* years run from Oct. 1 of previous year to Sept. 30 of year indicated

SOURCE: Federal Bankruptcy Court, Great Falls, Montana, September 1984.

TABLE VII - 8
ANNUAL INDUSTRIAL & COMMERCIAL FAILURES^{*}

Year	Montana		Mountain States		United States	
	Number	Current Liabilities ^{**} (000,000)	Number	Current Liabilities ^{**} (000,000)	Number	Current Liabilities ^{**} (000,000)
1960	17	0.5	452	26.0	15,445	938.6
1970	14	4.5	212	31.1	10,748	1,887.8
1971	23	2.1	239	32.5	10,326	1,916.9
1972	17	1.7	226	38.1	9,566	2,000.2
1973	12	0.9	197	28.0	9,345	2,298.6
1974	20	2.8	201	36.4	9,915	3,053.1
1975	30	2.5	403	75.2	11,432	4,386.2
1976	18	1.8	308	63.5	9,628	3,011.3
1977	31	5.8	262	136.0	7,919	3,095.3
1978	37	3.3	179	22.4	6,619	2,656.0
1979	34	5.7	234	51.9	7,654	2,667.4
1980	86	26.7	416	99.8	11,742	4,635.1
1981	64	9.8	757	233.7	16,794	6,955.2
1982	61	51.3	1,868	1,678.6	24,908	15,610.8

* Includes concerns discontinued following assignment, voluntary or involuntary petition in bankruptcy, attachment, execution, foreclosure, etc.; voluntary withdrawals from business with known loss to creditors; also enterprises involved in court action, such as receivership and reorganization or arrangement which may or may not lead to discontinuance; and businesses making voluntary compromise with creditors out of court.

** Liabilities exclude long-term publicly held obligations; offsetting assets are not taken into account.

SOURCE: Dun & Bradstreet, New York, New York, The Failure Record Through 1980, and Monthly Failure Report.

TABLE VII - 9

MONTHLY INDUSTRIAL & COMMERCIAL FAILURES*
(dollars in thousands)

Date	Montana**		Mountain States**		United States**	
	Number	Liability	Number	Liability	Number	Liability
Aug 80	5	1,837	34	6,176	1,009	345,408
Sept 80	19	4,022	40	10,450	926	1,002,944
Oct 80	28	10,193	57	15,902	1,323	359,242
Nov 80	8	1,599	23	5,165	860	239,344
Dec 80	7	2,753	35	11,180	1,015	288,298
Jan 81	9	1,662	56	10,076	1,109	341,360
Feb 81	6	916	281	60,357	1,133	789,205
Mar 81	NA	NA	NA	NA	NA	NA
Apr 81	6	415	394	96,642	1,557	536,877
May 81	2	241	59	20,588	1,464	428,199
June 81	6	761	41	13,683	1,408	408,545
July 81	4	974	71	20,009	1,432	619,462
Aug 81	5	357	56	9,560	1,172	450,412
Sept 81	9	2,372	111	21,251	1,777	752,345
Oct 81	9	682	93	14,719	1,604	897,938
Nov 81	2	232	65	17,109	1,368	618,765
Dec 81	3	364	87	69,686	1,558	626,739
Jan 82	8	1,725	68	31,350	1,535	645,143
Feb 82	2	693	519	129,555	1,854	913,462
Mar 82	NA	NA	NA	NA	NA	NA
Apr 82	6	2,837	452	188,618	1,882	1,309,327
May 82	4	5,708	119	53,120	1,941	2,850,453
June 82	5	2,740	121	24,965	2,452	1,020,252
July 82	4	1,056	90	20,483	1,631	7,725,596

* Includes concerns discontinued following assignment, voluntary or involuntary petition in bankruptcy, attachment, execution, foreclosure, etc.; voluntary withdrawals from business with known loss to creditors; also enterprises involved in court action, such as receivership and reorganization or arrangement which may or may not lead to discontinuance; and businesses making voluntary compromise with creditors out of court.

** Liabilities exclude long-term publicly held obligations; offsetting assets are not taken into account.

SOURCE: Dun & Bradstreet, New York, New York, The Failure Record Through 1980, and Monthly Failure Report.

TABLE VII - 10

DISTRIBUTION OF EMPLOYMENT & ESTABLISHMENTS
BY EMPLOYMENT SIZE OF ESTABLISHMENT: 1982

Size Class	Montana		Region [*]		United States	
	No. of Estab.	No. of Employees	No. of Estab.	No. of Employees	No. of Estab.	No. of Employees
1 - 4	15,241	35,605	107,449	258,782	2,902,163	6,946,539
5 - 9	5,466	34,772	40,908	260,328	1,063,824	6,802,991
10 - 19	2,668	35,155	25,628	339,311	713,700	9,495,896
20 - 49	1,426	40,589	15,665	448,670	493,494	14,387,450
50 - 99	316	20,965	4,529	302,540	161,520	10,669,729
100 - 249	149	20,627	1,964	278,847	86,780	12,667,742
250 - 499	34	11,243	594	199,718	28,462	9,610,861
500 - 999	20	1,419	212	136,837	12,658	8,339,194
1,000 - 4,999	5	10,240	134	252,632	6,754	11,704,204
5,000 - 9,999	0	0	17	109,667	356	2,319,301
10,000+	0	0	0	0	106	1,765,820
Total	25,328	223,315	197,109	2,587,122	5,469,674	94,710,727

* includes Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

SOURCE: U.S. Bureau of the Census, County Business Patterns, 1982.

TABLE VII - 11

MANUFACTURING IN MONTANA: EMPLOYEES*, PAYROLL & ESTABLISHMENTS
BY INDUSTRY: 1982

SIC Code	Industry	No. of Employees for wk. Incl. Mar. 12	Payroll (\$1,000)		No. of Estab.	Number of establishments by employment size class										1,000 or More
			First Quarter	Annual		1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999			
20	Manufacturing	19,677	89,185	381,408	973	454	195	155	93	39	25	8	3	1		
101	Food & Kindred Prod.	3,407	14,381	55,055	110	35	13	29	16	10	5	1	1	-		
201	Meat Products	856	3,802	12,492	23	10	3	7	1	1	-	-	1	-		
2011	Meat Packing Plants	(F)	(D)	(D)	20	9	3	6	-	1	-	-	1	-		
2013	Sausages & Other Prepared Meats	(B)	(D)	(D)	3	1	-	1	1	-	-	-	-	-		
202	Dairy Products	653	2,245	10,332	19	2	1	7	3	5	1	-	-	-		
2026	Fluid Milk	538	1,971	9,092	10	-	-	2	2	5	1	-	-	-		
203	Preserved Fruits & Vegetables	(B)	(D)	(D)	2	1	-	1	-	-	-	-	-	-		
204	Grain Mill Products	366	1,549	5,978	25	7	5	9	3	1	-	-	-	-		
2041	Flour & Other Prod.	(C)	(D)	(D)	3	-	-	-	2	1	-	-	-	-		
205	Prepared Feeds, etc.	(C)	(D)	(D)	22	7	5	9	1	-	-	-	-	-		
2051	Bakery Products	(F)	(D)	(D)	13	7	1	2	-	1	2	-	-	-		
2051	Bread, Cake & Related Products	(F)	(D)	(D)	13	7	1	2	-	1	2	-	-	-		
206	Sugar & Confectionery Products	(E)	(D)	(D)	4	2	-	-	-	-	1	1	-	-		
2063	Beet Sugar	(E)	(D)	(D)	2	-	-	-	-	-	1	1	-	-		
207	Fats & Oils	107	553	1,956	5	-	2	-	3	-	-	-	-	-		
208	Beverages	463	2,340	8,177	14	2	-	3	6	2	1	-	-	-		
2086	Bottled & Canned Soft Drinks	(E)	(D)	(D)	12	1	-	2	6	2	1	-	-	-		
209	Misc. Food & Kindred Products	11	18	76	5	4	1	-	-	-	-	-	-	-		
22	Textile Mill Products	(C)	(D)	(D)	2	-	1	-	-	-	1	-	-	-		
222	Weaving mills, synthetics	(A)	(D)	(D)	1	-	1	-	-	-	-	-	-	-		
229	Misc. Textile Goods	(C)	(D)	(D)	1	-	-	-	-	-	1	-	-	-		
2298	Cordage & Twine	(C)	(D)	(D)	1	-	-	-	-	-	1	-	-	-		
23	Apparel & Other Textile Products	62	160	701	9	3	3	3	-	-	-	-	-	-		
232	Men's & Boys's Furnishings	(A)	(D)	(D)	2	1	-	1	-	-	-	-	-	-		
233	Women's & Misses' Outerwear	(A)	(D)	(D)	1	-	1	-	-	-	-	-	-	-		
239	Misc. Fabricated Textile Products	43	118	454	6	2	2	2	-	-	-	-	-	-		
24	Lumber & Wood Prod.	6,232	27,384	133,155	328	184	59	39	20	11	11	3	-	-		
241	Logging Camps & Logging Contractors	1,411	5,134	28,210	209	143	38	21	5	-	1	1	-	-		
242	Sawmills & Planing Mills	2,228	11,380	55,934	65	22	10	7	11	9	5	1	-	-		
2421	Sawmills & Planing Mills, General	(G)	(D)	(D)	64	21	10	7	11	9	5	1	-	-		

TABLE VII - 11
(cont.)

SIC Code	Industry	No. of Employees for Wk. Incl. Mar. 12	Payroll (\$1,000)		No. of Estab.	Number of establishments by employment size class										1,000 or More
			First Quarter	Annual		1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999			
243	Millwork, Plywood & Struct. Members	1,827 (C)	7,689 (D)	35,784 (D)	21	7	4	4	1	1	2	1	-	-		
2431	Millwork				8	3	2	1	1	-	1	-	-	-		
2436	Softwood Veneer & Plywood	(G)	(D)	(D)	3	-	-	-	-	-	1	1	-	-		
2439	Structural Wood Members, nec	(B)	(D)	(D)	4	1	-	1	-	1	-	-	-	-		
244	Wood Containers	37	50	162	3	1	1	1	-	-	-	-	-	-		
245	Wood Buildings & Mobile Homes	290	1,052	4,546	14	4	5	2	2	-	1	-	-	-		
2451	Mobile Homes	(C)	(D)	(D)	2	1	-	-	-	-	1	-	-	-		
2452	Prefab. Wood Bldgs.	(C)	(D)	(D)	12	3	5	2	2	-	-	-	-	-		
249	Misc. Wood Products	437	2,075	8,413	16	7	1	4	1	1	2	-	-	-		
2491	Wood Preserving	80	308	1,525	10	5	-	4	1	-	-	-	-	-		
2492	Particleboard	(C)	(D)	(D)	1	1	-	-	-	-	1	-	-	-		
2499	Wood Products, nec.	(C)	(D)	(D)	5	2	1	-	-	1	1	-	-	-		
25	Furniture & Fixtures	164	476	2,139	14	9	1	-	4	-	-	-	-	-		
251	Household Furniture	117	335	1,466	5	2	-	-	3	-	-	-	-	-		
2511	Wood Hshld. Furn.	(B)	(D)	(D)	3	1	-	-	2	-	-	-	-	-		
252	Office Furniture	(A)	(D)	(D)	1	1	-	-	-	-	-	-	-	-		
254	Partitions & Fixtures	(B)	(D)	(D)	6	5	-	-	1	-	-	-	-	-		
259	Misc. Furn. & Fixt.	(A)	(D)	(D)	1	-	1	-	-	-	-	-	-	-		
26	Paper & Allied Products	(F)	(D)	(D)	3	-	1	1	-	-	-	-	1	1		
263	Paperboard Mills	(F)	(D)	(D)	1	-	-	-	-	-	-	-	-	-		
264	Misc. Converted Paper Products	(A)	(D)	(D)	1	-	1	-	-	-	-	-	-	-		
265	Paperboard Containers & Boxes	(A)	(D)	(D)	1	-	-	1	-	-	-	-	-	-		
27	Printing & Publishing	2,421	7,620	29,814	156	66	38	27	15	6	3	1	-	-		
271	Newspapers	1,570	5,019	19,092	67	21	19	10	9	5	2	1	-	-		
272	Periodicals	57	157	558	6	-	3	3	-	-	-	-	-	-		
273	Books	51	104	484	8	6	1	-	1	-	-	-	-	-		
274	Misc. Publishing	17	39	125	3	1	2	-	-	-	-	-	-	-		
275	Commercial Printing	583	1,697	7,043	58	27	12	13	5	1	-	-	-	-		
2751	Letterpress	(C)	(D)	(D)	15	7	3	4	-	1	-	-	-	-		
2752	Lithographic	406	1,288	5,413	42	19	9	9	5	-	-	-	-	-		
278	Blankbooks & Bookbinding	(C)	(D)	(D)	2	1	-	-	-	-	1	-	-	-		
2782	Blankbooks & Looseleaf Binders	(C)	(D)	(D)	1	-	-	-	-	-	1	-	-	-		
279	Printing Trade Svcs.	(B)	(D)	(D)	6	5	-	1	-	-	-	-	-	-		
28	Chemicals & Allied Prod.	481	2,763	12,031	24	11	4	5	3	-	1	-	-	-		
281	Industrial Inorganic Chem.	345	2,155	9,178	9	4	1	1	2	-	1	-	-	-		
2816	Inorganic Pigments	(B)	(D)	(D)	2	-	-	1	1	-	-	-	-	-		
2819	Industrial Inorganic Chemicals, nec	(E)	(D)	(D)	2	-	-	-	1	-	1	-	-	-		

TABLE VII - 11
(cont.)

SIC Code	Industry	No. of Employees for Wk. Incl. Mar. 12	Payroll (\$1,000)		No. of Estab.	Number of establishments by employment size class									
			First Quarter	Annual		1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1,000 or More	
284	Soap, Cleaners & Toilet Goods	(A)	(D)	(D)	1	-	1	-	-	-	-	-	-	-	-
285	Paints & Allied Products	(A)	(D)	(D)	2	1	1	-	-	-	-	-	-	-	-
286	Industrial Organic Chem.	(A)	(D)	(D)	1	-	-	1	-	-	-	-	-	-	-
287	Agricultural Chemicals	81	375	1,857	7	3	1	2	-	-	-	-	-	-	-
289	Misc. Chemical Products	(B)	(D)	(D)	4	3	-	1	-	-	-	-	-	-	-
29	Petroleum & Coal Products	855	5,879	26,683	9	2	-	1	3	-	1	2	-	-	-
291	Petroleum Refining	(F)	(D)	(D)	7	1	-	-	3	-	1	2	-	-	-
295	Paving & Roofing Materials	(A)	(D)	(D)	1	-	-	1	-	-	-	-	-	-	-
299	Misc. Petroleum & Coal Products	(A)	(D)	(D)	1	1	-	-	-	-	-	-	-	-	-
30	Rubber & Misc. Plastic Products	112	269	884	10	6	1	2	1	-	-	-	-	-	-
307	Misc. Plastic Products	112	269	884	10	6	1	2	1	-	-	-	-	-	-
31	Leather & Leather Prod.	68	99	373	7	4	1	1	1	-	-	-	-	-	-
311	Leather Tanning & Finishing	(A)	(D)	(D)	1	1	-	-	-	-	-	-	-	-	-
313	Boot & Shoe Cut Stock & Findings	(A)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	-
314	Footwear, except Rubber	(A)	(D)	(D)	1	-	-	1	-	-	-	-	-	-	-
316	Luggage	(B)	(D)	(D)	2	1	-	-	1	-	-	-	-	-	-
317	Handbags & Personal Leather Goods	(A)	(D)	(D)	1	1	-	-	-	-	-	-	-	-	-
319	Leather Goods, nec.	(A)	(D)	(D)	2	1	1	-	-	-	-	-	-	-	-
32	Stone, Clay & Glass Prod.	970	3,808	19,497	93	43	25	13	9	1	2	-	-	-	-
321	Flat Glass	(A)	(D)	(D)	1	-	1	-	-	-	-	-	-	-	-
323	Prod. of Purchased Glass	(A)	(D)	(D)	2	2	-	-	-	-	-	-	-	-	-
324	Cement, Hydraulic	(C)	(D)	(D)	2	-	-	-	-	-	2	-	-	-	-
325	Structural Clay Products	(A)	(D)	(D)	2	2	-	-	-	-	-	-	-	-	-
326	Pottery & Related Products	(A)	(D)	(D)	4	3	1	-	-	-	-	-	-	-	-
327	Concrete, Gypsum & Plaster Products	650	1,940	11,690	77	34	12	7	1	-	-	-	-	-	-
3272	Concrete Prod., nec	162	507	2,445	17	8	4	2	3	-	-	-	-	-	-
3773	Ready-mixed Concrete	412	1,101	7,966	56	26	18	8	3	1	-	-	-	-	-
328	Cut Stone & Stone Products	(A)	(D)	(D)	1	1	-	-	-	-	-	-	-	-	-
329	Misc. Nonmetallic Mineral Products	(B)	(D)	(D)	4	1	-	1	2	-	-	-	-	-	-
3295	Minerals, ground or treated	(B)	(D)	(D)	4	1	-	1	2	-	-	-	-	-	-
33	Primary Metal Industries	(G)	(D)	(D)	4	1	-	1	2	-	-	-	-	-	-
331	Blast Furnace & Basic Steel Products	(A)	(D)	(D)	13	3	3	4	1	-	-	1	1	-	-
332	Iron & Steel Foundries	(B)	(D)	(D)	2	1	-	1	-	-	-	-	-	-	-
333	Primary Nonferrous Metals	(G)	(D)	(D)	1	-	-	-	1	-	-	-	-	-	-
3332	Primary Lead	(E)	(D)	(D)	2	-	-	-	-	-	-	1	1	-	-
3334	Primary Aluminum	(F)	(D)	(D)	1	-	-	-	-	-	-	-	-	1	-

TABLE VII - 11
(cont.)

SIC Code	Industry	No. of Employees for Wk. Incl. Mar. 12	Payroll (\$1,000)		No. of Estab.	Number of establishments by employment size class										1,000 or More
			First Quarter	Annual		1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999			
336	Nonferrous Foundries	(B)	(D)	(D)	7	1	3	3	-	-	-	-	-	-	-	
3362	Brass, Bronze & Copper Foundries	(B)	(D)	(D)	7	1	3	3	-	-	-	-	-	-	-	
339	Misc. Primary Metal Prod.	(A)	(D)	(D)	1	1	-	-	-	-	-	-	-	-	-	
34	Fabricated Metal Products	833	3,489	13,282	47	18	8	8	5	-	-	-	-	-	-	
341	Metal Cans & Shipping Containers	(A)	(D)	(D)	1	-	-	1	-	-	-	-	-	-	-	
342	Cutlery, Hand Tools & Hardware	(A)	(D)	(D)	3	1	1	1	-	-	-	-	-	-	-	
343	Plumbing & Heating, except Electric	84	148	693	9	4	2	1	2	-	-	-	-	-	-	
3433	Heating Equipment, except Electric	84	148	603	0	4	2	1	2	-	-	-	-	-	-	
344	Fabricated Structural Metal Products	596	2,874	10,383	16	4	1	1	5	5	-	-	-	-	-	
3441	Fabricated Struc. Metal	299	1,405	5,735	7	-	1	-	4	2	-	-	-	-	-	
3442	Metal Doors, Sash, Trim	(B)	(D)	(D)	1	-	-	-	-	1	-	-	-	-	-	
3443	Fabricated Plate Work (boiler shops)	(C)	(D)	(D)	3	1	-	-	-	2	-	-	-	-	-	
346	Metal Forgings & Stampings	(A)	(D)	(D)	4	2	2	-	-	-	-	-	-	-	-	
347	Metal Services, nec	(B)	(D)	(D)	4	2	1	1	-	-	-	-	-	-	-	
348	Ordinance & Access., nec	(A)	(D)	(D)	2	1	-	-	-	-	-	-	-	-	-	
349	Misc. Fabr. Metal Products	64	235	1,061	5	1	1	2	1	-	-	-	-	-	-	
3499	Misc. Fabr. Metal Prod., nec	(B)	(D)	(D)	4	1	-	2	1	-	-	-	-	-	-	
35	Machinery, except elec.	639	2,427	8,808	63	29	16	11	5	2	-	-	-	-	-	
352	Farm & Garden Machinery	65	201	707	10	5	2	3	-	-	-	-	-	-	-	
3523	Farm Machinery & Equip.	65	201	707	10	5	2	3	-	-	-	-	-	-	-	
353	Construction & Related Machinery	166	627	2,246	7	3	-	1	2	1	-	-	-	-	-	
3531	Construction Machinery	(C)	(D)	(D)	3	1	-	-	1	1	-	-	-	-	-	
3533	Oilfield Machinery	(B)	(D)	(D)	3	1	-	1	1	-	-	-	-	-	-	
354	Metalworking Machinery	(A)	(D)	(D)	1	-	1	-	-	-	-	-	-	-	-	
355	Special Industry Machinery	52	146	657	5	2	1	1	1	-	-	-	-	-	-	
356	General Industrial Mach.	(B)	(D)	(D)	3	-	1	1	1	-	-	-	-	-	-	
357	Office & Computing Mach.	22	93	330	3	1	1	1	-	-	-	-	-	-	-	
359	Misc. Machinery, except electrical	269	1,120	3,995	34	18	10	4	1	1	-	-	-	-	-	
3599	Machinery, except electrical, nec	269	1,120	3,995	34	18	10	4	1	1	-	-	-	-	-	
36	Electric & Electronic Equipment	342	1,381	4,963	14	3	5	2	3	-	1	-	-	-	-	
362	Electric Industrial Apparatus	(C)	(D)	(D)	4	-	2	-	1	-	1	-	-	-	-	
3622	Industrial Controls	(C)	(D)	(D)	2	-	1	-	-	-	1	-	-	-	-	
3629	Electrical Industrial Apparatus, nec	(B)	(D)	(D)	2	-	1	-	1	-	-	-	-	-	-	

TABLE VII - 11
(cont.)

SIC Code	Industry	No. of Employees for Wk. Incl. Mar. 12	Payroll (\$1,000)		No. of Estab.	Number of establishments by employment size class										1,000 or More
			First Quarter	Annual		1 to 4*	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999			
363	Household Appliances (A)		(D)	(D)	1	1	-	-	-	-	-	-	-	-	-	-
366	Communication Equipment (B)		(D)	(D)	3	1	-	2	-	-	-	-	-	-	-	-
367	Electronic Components & Accessories	69	316	936	5	1	2	-	2	-	-	-	-	-	-	-
369	Misc. Electrical Equipment & Supplies (A)		(D)	(D)	1	-	1	-	-	-	-	-	-	-	-	-
37	Transportation Equipment	64	178	918	11	6	2	3	-	-	-	-	-	-	-	-
371	Motor Vehicles & Equipment (B)		(D)	(D)	8	5	2	1	-	-	-	-	-	-	-	-
373	Ship & Boat Building & Repairing (A)		(D)	(D)	1	1	-	-	-	-	-	-	-	-	-	-
379	Misc. Transportation Equip. (B)		(D)	(D)	2	-	-	2	-	-	-	-	-	-	-	-
38	Instruments & Related Products	150	583	2,725	13	8	2	2	-	1	-	-	-	-	-	-
382	Measuring & Controlling Devices (A)		(D)	(D)	3	3	-	-	-	-	-	-	-	-	-	-
383	Optical Instruments & Lenses (A)		(D)	(D)	2	1	-	1	-	-	-	-	-	-	-	-
384	Medical Instruments & Supplies (C)		(D)	(D)	7	4	1	1	-	1	-	-	-	-	-	-
3843	Dental Equipment & Supplies (C)		(D)	(D)	4	3	-	-	-	1	-	-	-	-	-	-
385	Optthalmic Goods (A)		(D)	(D)	1	-	1	-	-	-	-	-	-	-	-	-
39	Misc. Manufacturing Indus. 468		1,601	6,199	40	21	11	2	3	3	-	-	-	-	-	-
391	Jewelry, Silverware, & Plated Ware (B)		(D)	(D)	2	-	-	-	1	1	-	-	-	-	-	-
3914	Silverware & Plated Ware (B)		(D)	(D)	2	-	-	-	1	1	-	-	-	-	-	-
394	Toys & Sporting Goods	142	255	1,209	9	3	3	2	-	1	-	-	-	-	-	-
3944	Games, Toys, & Childrens Vehicles (C)		(D)	(D)	4	1	1	1	-	1	-	-	-	-	-	-
395	Pens, Pencils, Office & Art Supplies (B)		(D)	(D)	3	2	-	-	-	1	-	-	-	-	-	-
3952	Lead Pencils & Art Goods	87	263	1,246	1	-	-	-	-	1	-	-	-	-	-	-
396	Costume Jewelry & Notions (A)		(D)	(D)	2	2	-	-	-	-	-	-	-	-	-	-
399	Misc. Manufactures	139	529	2,370	23	13	8	-	2	-	-	-	-	-	-	-
3993	Signs & Advertising Displays	113	481	2,128	19	11	6	-	2	-	-	-	-	-	-	-

* Excludes government employees, railroad employees, self-employed persons, etc.

** Size class 1 to 4 includes establishments having payroll but no employees during mid-March pay period.

Employment-Size Class (A): 0 - 19; (B): 20 - 99; (C): 100 - 249; (E): 250 - 499; (F): 500-999

(D): Withheld to avoid disclosure of operations of individual establishments.

SOURCE: U.S. Bureau of the Census, County Business Patterns, 1982, pp. 3, 4, and 5.

TABLE VII - 12

MONTANA COUNTIES MOST HEAVILY DEPENDENT
ON TRAVEL-RELATED EMPLOYMENT: 1983

County	Percent of County Employment which is Travel-Related
Glacier	23.0
Park	12.0
Flathead	10.1
Gallatin	10.0
Beaverhead	9.9
Madison	9.5
Silver Bow	9.2
Dawson	8.4
Roosevelt	5.8
Richland	5.2

SOURCE: Bureau of Business & Economic Research, Executive Summary: The Montana Travel Industry, 1983, December 1984.

TABLE VII - 13

CONCENTRATION OF TRAVEL-RELATED EMPLOYMENT
IN MONTANA COUNTIES: 1983

County	Percent of State Travel Employment in County
Yellowstone	15.4
Gallatin	11.2
Flathead	10.8
Cascade	9.2
Silver Bow	6.8
Missoula	6.6
Glacier	6.5
Lewis and Clark	5.0
Park	3.3
Dawson	2.9

SOURCE: Bureau of Business & Economic Research, Executive Summary: The Montana Travel Industry, 1983, December 1984.

TABLE VII - 14

THE MONTANA TRAVEL INDUSTRY: 1979 & 1983

	1979	1983	Percent Change
Total travel expenditures: (millions of constant 1983 dollars)	\$748	\$814	9
Nonresident	382	423	11
Tourist	114	127	11
Resident	366	391	7
Tourist	92	98	7
Total labor income generated: (millions of constant 1983 dollars)	\$188	\$204	9
Travel by nonresidents	96	106	10
Tourist	29	32	10
Travel by residents	92	98	7
Tourist	23	24	7
Number of travel-related jobs:	17,600	20,200	15
Nonresident	9,000	10,500	17
Resident	8,600	9,700	13

NOTE: percentage changes calculated from unrounded numbers

SOURCE: Bureau of Business & Economic Research, Executive Summary: The Montana Travel Industry, 1983, December 1984.

TABLE VII - 15

NONRESIDENT VISITORS TO MONTANA: 1979 & 1983

Item	1979	1983
Number of visitors	1,992,816	2,208,352
Number of visitor-days*	9,505,733	10,533,839

* based on an average of 4.77 days spent in Montana.

SOURCE: Bureau of Business & Economic Research, The Montana Travel Industry, 1983, December 1984.

TABLE VII - 16

MONTANA'S TECHNOLOGY-INTENSIVE SECTORS*

- A. Mining:
 - 1. Gold and Silver Ores
 - 2. Metal Mining Services
 - 3. Crude Petroleum and Natural Gas
- B. Manufacturing:
 - 1. Sugar and Confectionery Products
 - 2. Miscellaneous Publishing (catalogs, directories, maps)
 - 3. Industrial Organic Chemicals (primarily ethanol)
 - 4. Petroleum Refining
 - 5. Primary Smelting and Refining of Nonferrous Metals (aluminum and lead)
 - 6. Construction and Mining Machinery
 - 7. General Industrial Equipment
 - 8. Office and Computing Machines
 - 9. Communication Equipment
 - 10. Electronic Components and Accessories
 - 11. Engineering, Scientific, and Research Instruments
- C. Services:
 - 1. Pipeline Transportation, except Natural Gas
 - 2. Combination Electric and Gas Services
 - 3. Services Related to the Exchange of Securities or Commodities (not brokers or dealers)
 - 4. Computer and Data Processing Services
 - 5. Research and Development Laboratories
 - 6. Electrical Repair Services
 - 7. Engineering, Architectural, and Surveying Services
 - 8. Noncommercial Educational, Scientific, and Research Organizations
 - 9. Services, Not Elsewhere Classified
 - 10. Federal Government, excluding Hospitals and Military
 - 11. State Government, excluding Education and Hospitals

* Defined as economic sectors whose proportions of scientific as well as combined scientific and technical workers are at least twice their state-wide averages of 1.8 and 3.7 percent, respectively. Scientific workers are defined as engineers, life and physical scientists, mathematical and computer specialists. Technical workers are limited to engineering and science technicians. The occupational data used were from an unpublished 1982 industry/occupation table for Montana, constructed by the Montana Department of Labor and Industry.

SOURCE: Phil Brooks, Census and Economic Information Center, Montana Department of Commerce, Appendix E to Advisory Council on Science and Technology Recommendations, 1984.

TABLE VII - 17

DETAILED EMPLOYMENT FOR MONTANA'S PRIVATE
TECHNOLOGY-INTENSIVE ECONOMIC SECTORS
1976 - 1984

Sector	SIC ¹ Code	1976 Jobs	1980 Jobs	1982 Jobs	1984 ² Jobs
Mining:					
Gold & Silver Ores	104	90	406	728	834
Metal Mining Services	108	234	213	83	192
Crude Petroleum & Natural Gas	131	670	601	918	945
Total Technology-Intensive Mining		994	1,220	1,729	1,975
Manufacturing:					
Sugar & Confectionery Products	206	440	458	435	321
Misc. Publishing (catalogs, directories, maps)	274	100	130	31	36
Industrial Organic Chemicals (primarily ethanol)	286	0	21	44	55
Petroleum Refining	291	978	1,045	1,065	929 ³
Primary Smelting & Refining of Non-ferrous Metals (alum. & lead)	333	1,100 ⁴	1,770 ⁴	1,291	(D)
Construction & Mining Machinery	353	52	28	79	65
General Industrial Equipment	356	49	46	27	(D)
Office & Computing Machines	357	2	0	18	(D)
Communication Equipment	366	8	11	30	(D)
Electronic Components & Accessories	367	89	311	211	250
Engineering, Scientific & Research Instruments	381	2	2	3	(D)
Total Technology-Intensive Manufacturing		2,820	3,822	3,234	3,205
Private Services:					
Pipeline Transportation, except Natural Gas	461	107	100	96	89
Comb. Electric & Gas Services	493	2,145	3,003	3,314	(D)
Services related to Exchange of Securities or Commodities (not brokers or dealers)	628	30	37	23	30
Computer & Data Processing Svcs.	737	156	312	262	485
Research & Development Labs	7391	26	49	58	73
Electrical Repair Services	762	134	206	208	233
Engineering, Architectural, & Surveying Services	891	1,094	1,410	1,427	(D)

TABLE VII - 17
(cont.)

Sector	SIC ¹ Code	1976 Jobs	1980 Jobs	1982 Jobs	1984 ² Jobs
Noncommer. Educational, Scientific & Research Organizations	892	155	510	206	308
Services not elsewhere Classified	899	22	68	63	99
Total Technology-Intensive Private Services		3,869	5,695	5,657	6,041
Total Technology-Intensive Private Sectors		7,683	10,737	10,620	11,221

* assumes that a technology-intensive sector in 1982 is technology-intensive for all years

¹ Standard Industrial Classification Code

² Average for the first six months of 1984

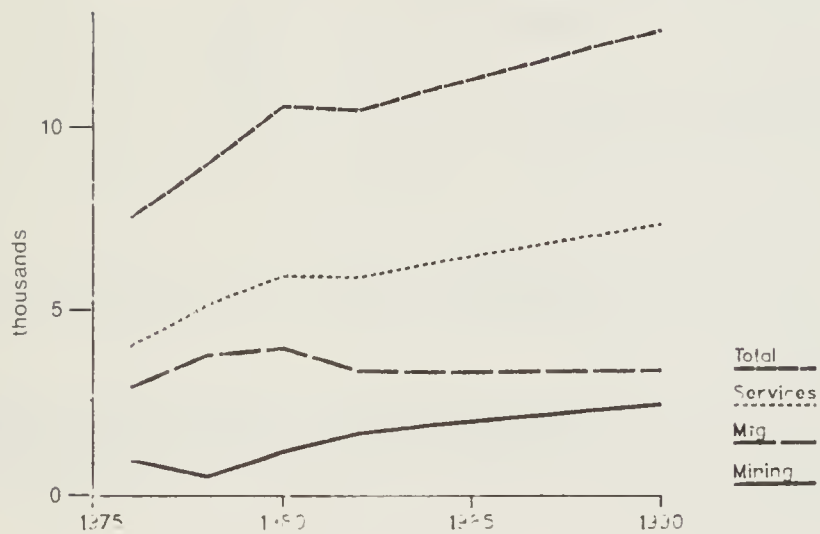
³ Estimated employment without the strike at the Cenex plant

⁴ Excludes primary smelting and refining of copper

SOURCES:

1. Research & Analysis Bureau, Montana Dept. of Labor & Industry, 1980 Industry/Occupational Employment Projections for Montana, March 1983 and September 1984.
2. Research & Analysis Bureau, Montana Dept. of Labor & Industry, Montana Industry/Occupation Projections -- 1985, June 1980.
3. Research & Analysis Bureau, Montana Dept. of Labor & Industry, "202 File", (unpublished 1984 information).
4. U.S. Bureau of the Census, County Business Patterns 1976: Montana, March 1978.
5. U.S. Bureau of the Census, County Business Patterns 1980: Montana, December 1981.

FIGURE VII-1
EMPLOYMENT IN
Montana Private Technology Intensive
SECTORS



Source: Census and Economic Information Center, Montana Department of Commerce

TABLE VII - 18

MONTANA'S PRIVATE TECHNOLOGY-INTENSIVE EMPLOYMENT
HISTORY AND PROJECTIONS
1976 - 1990

Sector	1976 Jobs	1980 Jobs	1984 [*] Jobs	1990 Jobs	Percent Change 1976-1984
Tech. Int. Mining	994	1,220	1,975	2,536	99
Tech. Int. Manufacturing	2,820	3,822	3,205	3,263	14
Tech. Int. Services	3,869	5,695	6,041	7,046	56
Total Private Tech.	7,683	10,737	11,221	12,845	46
Total Private Non-Agri. Employment	185,400	210,200	212,000	NA	14

* averaged for the first six months of 1984

NA - not available

SOURCES: The above table was constructed using the detailed definition of technology-intensive economic sectors in Montana's economy from the following data sources:

1. Research & Analysis Bureau, Montana Dept. of Labor & Industry, 1990 Industry/Occupational Employment Projections for Montana, March 1983 and September 1984.
2. Research & Analysis Bureau, Montana Dept. of Labor & Industry, Montana Industry/Occupation Projections - 1985, June 1980.
3. Research & Analysis Bureau, Montana Dept. of Labor & Industry, "202 File", (unpublished data).
4. U.S. Bureau of the Census, County Business Patterns 1976: Montana, March 1978.
5. U.S. Bureau of the Census, County Business Patterns 1980: Montana, December 1981.

CHAPTER VIII

BASIC INDUSTRIES — EMPLOYMENT AND INCOME

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TABLE VIII - 1

MONTANA'S MAJOR BASIC INDUSTRIES: 1983*

Industry	Jobs	Labor Income (thou)	Value Added (thou)	Gross Receipts (thou)
Agriculture	32,812	214,167	1,000,000	1,500,000
Manufacturing	23,780	518,492	900,000	4,000,000
Federal Government	21,625	391,813	400,000**	400,000
Non-resident Travel	10,500	106,000	200,000	400,000
Mining	7,725	234,823	1,000,000	1,600,000

* All data are subject to revision.

** Includes labor income only and excludes depreciation.

SOURCE: Census & Economic Information Center, Montana Dept. of Commerce, November 1984. Bureau of Business & Economic Research, Executive Summary: The Montana Travel Industry, 1983, October 1984.

BASIC EMPLOYMENT IN MONTANA

Industry	1970	1971	1972	1973	1974	1975	1976	1977
Agriculture	38,254	38,642	38,072	37,532	38,216	37,212	34,646	33,214
Mining:	6,547	5,281	6,071	6,533	7,296	6,477	6,043	6,053
Metal Mining	3,948	2,897	3,577	3,746	3,981	3,108	2,390	2,069
Bituminous Coal & Lignite Mining	100	167	(D)	394	498	663	754	881
Oil & Gas Extraction	1,713	1,486	(D)	1,578	1,899	1,831	2,068	2,317
Nonmetallic Minerals Mining & Quarrying (except fuels)	786	731	(D)	815	927	875	831	786
Construction (Heavy Constr. Contractors)	4,818	5,132	5,087	4,031	3,353	4,054	3,910	4,616
Manufacturing:	(D)	(D)	(D)	(D)	19,735	(D)	19,319	20,597
Food Processing	4,229	4,144	4,084	4,184	4,128	3,729	3,796	4,086
Apparel & Other Textile Products	(D)	(D)	90	(D)	101	(D)	319	250
Lumber & Wood Products	8,241	8,639	8,762	9,014	9,176	8,368	9,124	9,946
Furniture & Fixtures	102	113	(D)	(D)	(D)	102	109	(D)
Paper & Allied Products	(D)	(D)	(D)	924	672	806	582	603
Chemicals & Allied Products	402	427	403	479	549	527	499	540
Primary Metals Processing	4,630	3,984	3,860	3,236	3,359	3,268	3,246	(D)
Fabricated Metal Products	375	387	453	467	455	436	481	498
Machinery, except Electrical	159	164	161	184	281	374	383	406
Electrical Machinery	32	63	99	(D)	(D)	94	116	204
Transportation Equipment (except motor vehicles)	149	230	339	458	382	180	234	197
Motor Vehicles & Equipment	(D)	14	(D)	22	41	25	28	32
Instruments & Related Products	(D)	32	44	50	61	76	79	90
Misc. Manufacturing	130	168	243	299	282	308	323	357
Railroad Transportation	6,424	6,050	6,349	6,335	6,658	6,331	6,465	6,571
Services (Hotels & Other Lodging Places)	4,504	4,821	5,057	5,867	6,205	5,995	6,311	6,366
Total Private Basic Employment (excluding non-farm proprietors)	(D)	(D)	(D)	(D)	81,463	(D)	76,239	77,417
Federal Government:	23,972	23,854	24,240	24,317	25,203	25,094	24,639	23,440
Civilian	12,000	11,799	12,329	12,132	12,915	13,478	13,331	13,206
Military	11,972	12,055	11,911	12,185	12,288	11,616	11,308	10,234
Total Basic Employment	(D)	(D)	(D)	(D)	106,666	(D)	101,333	100,857

NOTE: Non-farm proprietors (self-employed) are not included in this data.

TABLE VIII - 2
(cont.)

Industry	1978	1979	1980	1981	1982	1983
Agriculture	33,100	34,812	34,285	32,858	33,416	32,812
Mining:						
Metal Mining	6,922	7,721	8,818	11,351	9,384	7,459
Bituminous Coal & Lignite Mining	2,030	2,144	1,917	2,306	1,765	1,514
Oil & Gas Extraction	1,239	1,393	1,393	1,404	1,283	1,289
Nonmetallic Minerals Mining & Quarrying (except fuels)	2,849 804	3,356 875	4,664 844	6,825 816	5,463 873	3,749 907
Construction (Heavy Constr. Contractors)	4,597	4,055	3,861	4,521	5,414	4,964
Manufacturing:						
Food Processing	21,553	22,019	19,607	18,504	15,896	17,425
Apparel & Other Textile Products	4,056	4,116	4,050	3,815	3,672	3,699
Lumber & Wood Products	201	194	213	278	374	431
Furniture & Fixtures	10,750	10,913	9,234	8,772	7,115	8,812
Paper & Allied Products	(D)	(D)	106	(D)	135	159
Chemicals & Allied Products	658	712	809	836	801	865
Primary Metals Processing	582	606	547	512	522	481
Fabricated Metal Products	(D)	(D)	2,641	(D)	1,412	1,180
Machinery, except Electrical	553	586	644	656	578	544
Electrical Machinery	402	448	393	502	361	310
Transportation Equipment (except motor vehicles)	232	311	320	323	251	244
Motor Vehicles & Equipment	169	132	74	70	48	67
Instruments & Related Products	33	42	34	129	117	90
Misc. Manufacturing	92	105	93	98	129	154
Railroad Transportation	498	456	448	368	381	389
Services (Hotels & Other Lodging Places)	6,879	7,432	6,875	6,256	5,194	4,436
Total Private Employment (excluding non-farm proprietors)	6,702	6,672	6,895	7,090	6,771	6,768
Federal Government:						
Civilian	79,753	82,711	80,341	80,580	76,075	73,864
Military						
Total Basic Employment	23,810 13,718 10,092	23,695 13,919 9,776	23,107 13,851 9,256	21,825 13,657 8,168	21,174 13,159 8,015	21,625 13,070 8,555
Total Basic Employment	103,563	106,406	103,448	102,405	97,249	95,489

(D) - Withheld to avoid disclosure of individual firms.

NOTE: Non-farm proprietors (self-employed) are not included in this data.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished, August 1984, and Keegan, Jackson & Johnson, Montana's Forest Products Industry, 1983, p. 72, for 1981 lumber and wood products. Basic industry analysis and selection (using location quotients) by the Census & Economic Information Center, Montana Dept. of Commerce, October 1984. Paper products employment for 1976 and 1977 which is normally suppressed published with the written permission of the industry's dominant firm.

FIGURE VIII-1

MONTANA: EMPLOYMENT IN BASIC INDUSTRIES

1970-1983

Figure VIII-1a

Total Basic Employment



Note: excludes nonfarm proprietors. Missing data points indicate that data are withheld from publication to avoid identifying individual firms.

Figure VIII-1b

Basic Employment Federal Government



Figure VIII-1c

Basic Employment: Hotels/Motels



Figure VIII-1d

Basic Employment: Railroads



Note: Excludes non-farm proprietors.

Source: U.S. Bureau of Economic Analysis.

MONTANA: EMPLOYMENT IN BASIC INDUSTRIES

1970-1983

Figure VIII-1e

Basic Employment: Heavy Construction

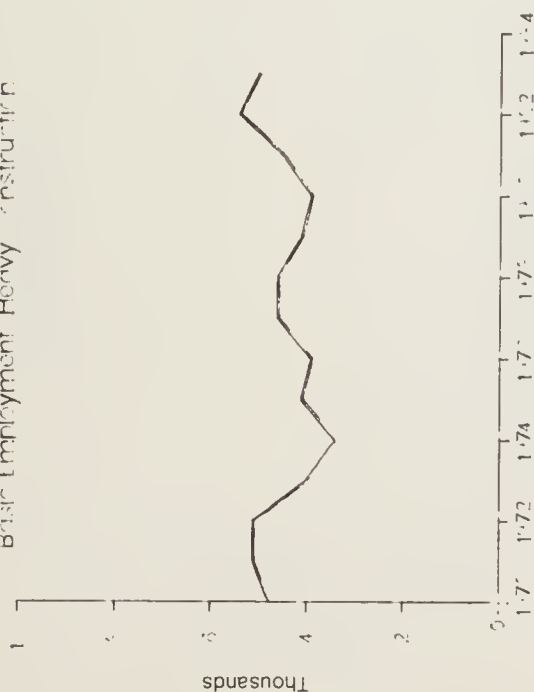


Figure VIII-1f

Basic Employment: Manufacturing

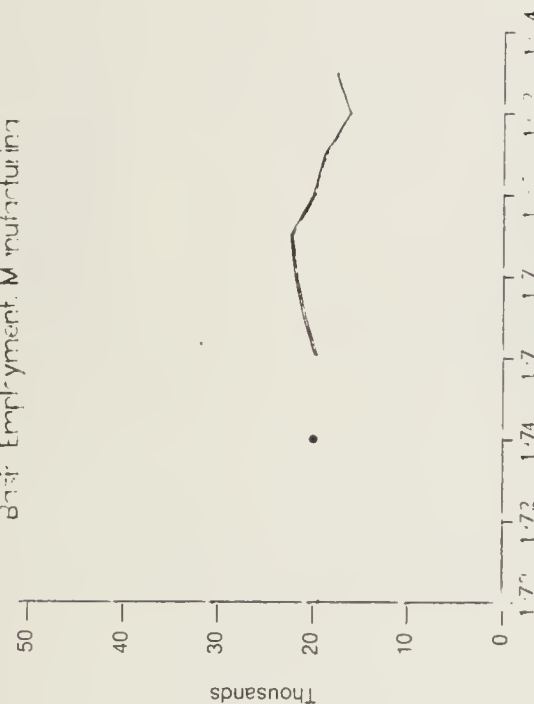


Figure VIII-1g

Basic Employment: Mining

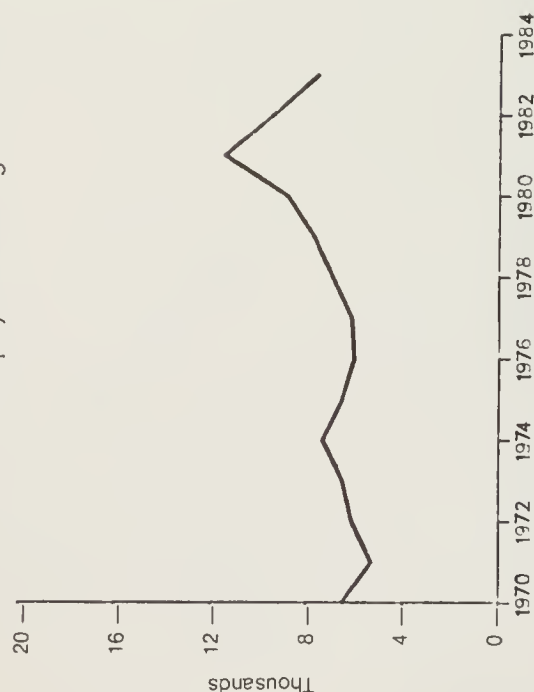
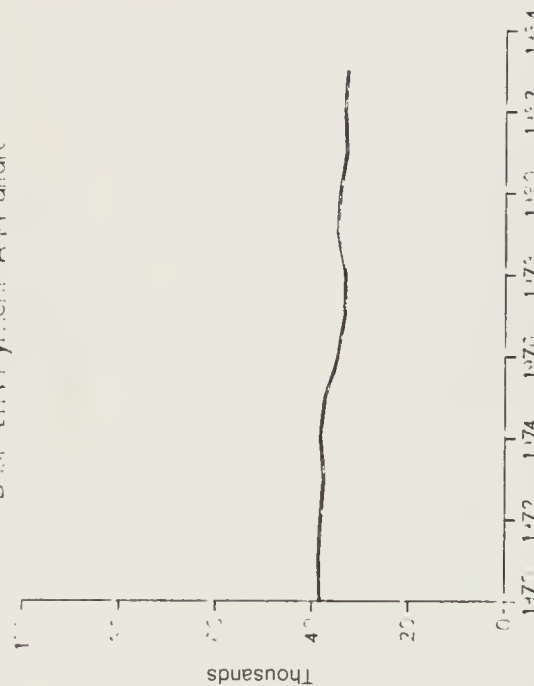


Figure VIII-1h

Basic Employment: Agriculture



Note: excludes nonfarm proprietors. Missing data points indicate that data are withheld from publication to avoid identifying individual firms.

Source: U.S. Bureau of Economic Analysis.

Figure VIII-1 (continued)
MONTANA: EMPLOYMENT IN BASIC INDUSTRIES
 1970-1983

Figure VIII-1i

Basic Employment: Coal Mining



Figure VIII-1j

Basic Employment: Oil & Gas Extraction

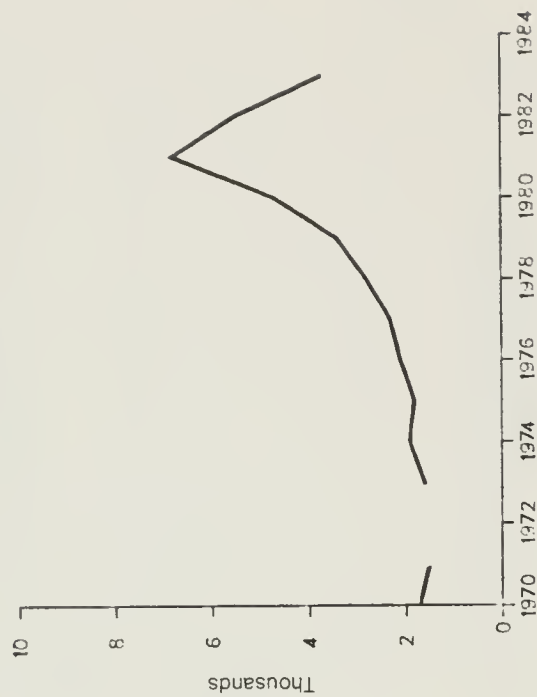


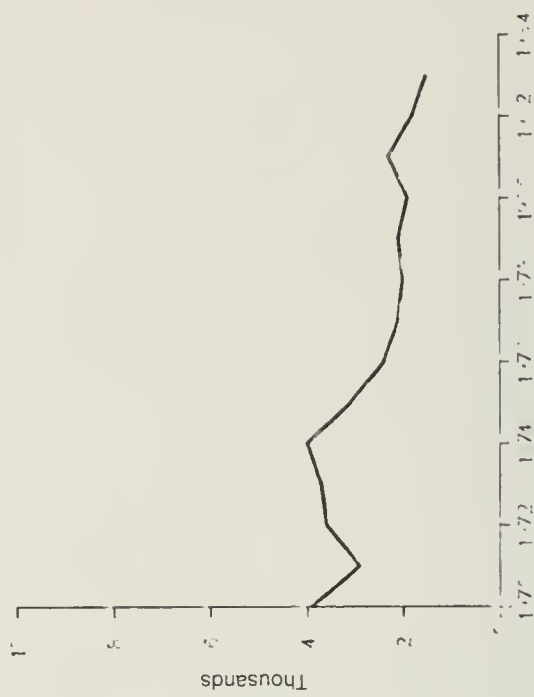
Figure VIII-1k

Basic Employment: Non-Metallic Minerals Mining



Figure VIII-1l

Basic Employment: Metal Mining



Note: excludes nonfarm proprietors. Missing data points indicate that data are withheld from publication to avoid identifying individual firms.

Source: U.S. Bureau of Economic Analysis.

Figure VIII-1 (continued)
MONTANA: EMPLOYMENT IN BASIC INDUSTRIES
1970-1983

Figure VIII-1m

Basic Employment: Lumber & Wood Products

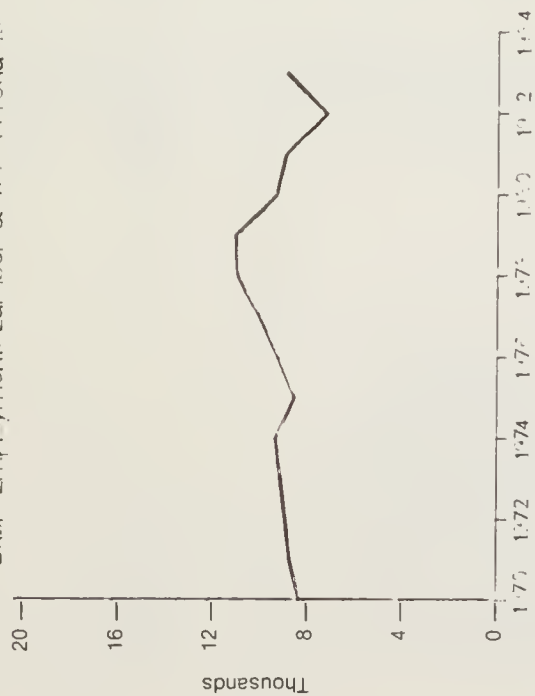


Figure VIII-1n

Basic Employment: Primary Metals Processing

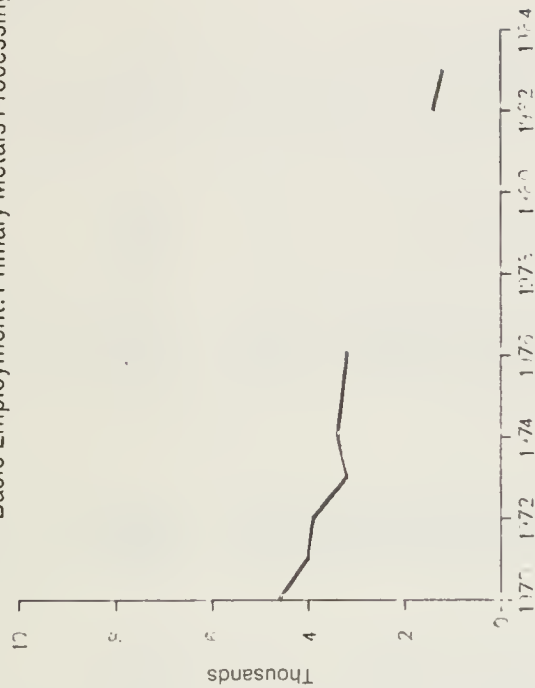
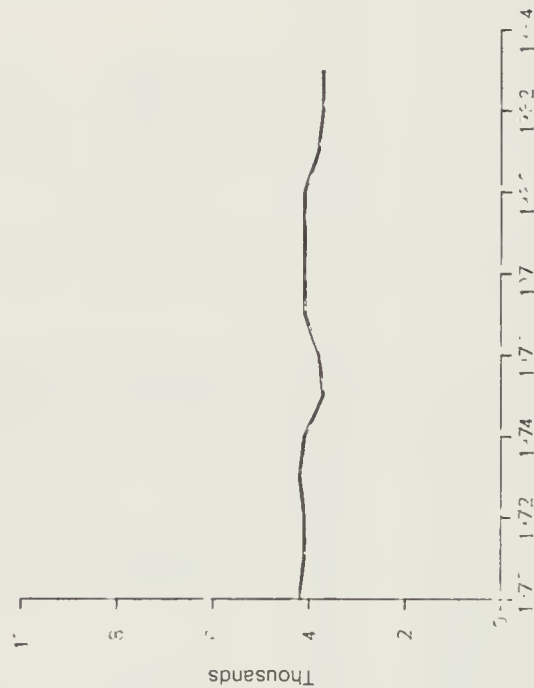


Figure VIII-1o

Basic Employment: Food Processing



Note: Excludes non-farm proprietors. Missing data points indicate that data are withheld from publication to avoid identifying individual firms.

Source: U.S. Bureau of Economic Analysis.

TABLE VIII - 3

LABOR INCOME FROM BASIC INDUSTRIES IN MONTANA
(thousands of current dollars)

Industry	1970	1971	1972	1973	1974	1975	1976	1977
Agriculture	\$286,257	\$253,910	\$405,447	\$619,776	\$456,847	\$423,817	\$255,417	\$144,833
Mining:	62,764	51,862	68,294	80,242	114,150	112,786	120,400	129,611
Metal Mining	38,486	33,327	41,545	46,538	53,907	50,574	38,189	36,730
Bituminous Coal & Lignite Mining	1,276	2,221	(D)	6,819	9,409	15,178	18,532	23,101
Oil & Gas Extraction	15,700	9,325	(D)	17,267	38,783	34,143	50,406	56,124
Nonmetallic Minerals Mining & Quarrying (except fuels)	7,302	6,989	(D)	9,618	12,051	12,891	13,273	13,656
Construction (Heavy Constr. Contractors)	55,313	61,855	67,218	53,332	49,609	69,641	77,784	96,763
Manufacturing:	(D)	(D)	(D)	(D)	224,719	(D)	271,574	320,324
Food Processing	(D)	33,478	(D)	37,108	40,038	39,802	43,974	53,154
Apparel & Other Textile Products	(D)	(D)	498	(D)	693	(D)	2,221	2,179
Lumber & Wood Products	66,955	77,415	81,967	90,939	101,733	103,410	127,375	156,909
Furniture & Fixtures	706	853	(D)	(D)	(D)	1,074	1,113	(D)
Paper & Allied Products	(D)	(D)	(D)	12,094	9,383	11,105	11,297	11,096
Chemicals & Allied Products	3,701	3,965	4,125	5,238	7,177	7,486	7,769	9,504
Primary Metals Processing	40,759	36,797	41,284	40,449	47,927	53,119	58,658	(D)
Fabricated Metal Products	3,444	3,522	4,441	4,872	5,600	6,264	7,062	7,843
Machinery, except Electrical	2,093	2,061	2,305	2,284	3,734	4,923	4,763	5,161
Electrical Machinery	243	529	765	(D)	(D)	873	1,341	2,241
Transportation Equipment	1,202	1,975	2,479	3,755	3,383	1,581	2,183	2,010
Instruments & Related Products	(D)	275	359	459	581	773	877	1,200
Misc. Manufacturing	881	1,164	1,843	2,326	2,403	2,791	2,941	3,613
Railroad Transportation	67,062	70,553	80,096	90,029	97,929	99,152	116,293	127,521
Services (Hotels & Other Lodging Places)	16,277	18,651	19,594	23,501	25,030	27,229	33,498	37,454
Total Private Basic Earnings	(D)	(D)	(D)	(D)	968,284	(D)	874,966	856,506
Federal Government:	160,393	172,607	193,972	211,263	233,946	262,054	268,176	274,460
Civilian	109,356	117,473	132,474	142,245	161,069	189,359	192,542	203,407
Military	51,037	55,134	61,498	69,018	72,877	72,695	75,634	71,053
Total Basic Labor Income	(D)	(D)	(D)	(D)	\$1,202,230	(D)	\$1,143,142	\$1,130,966

TABLE VIII - 3
(cont.)

Industry	1978	1979	1980	1981	1982	1983
Agriculture	\$ 320,900	\$ 175,064	\$ 248,162	\$ 322,758	\$ 233,053	\$ 214,167
Mining:	145,841	202,014	245,515	322,437	294,081	234,823
Metal Mining	39,188	45,943	48,764	61,730	48,143	47,982
Bituminous Coal & Lignite Mining	35,209	42,354	45,698	50,841	51,217	53,125
Oil & Gas Extraction	57,382	96,862	132,799	193,438	176,715	113,284
Nonmetallic Minerals Mining & Quarrying (except fuels)	14,062	16,855	18,254	16,428	18,006	20,432
Construction (Heavy Constr. Contractors)	105,702	95,810	90,741	126,957	152,458	142,166
Manufacturing:	375,065	412,213	399,706	402,087	353,318	405,664
Food Processing	56,740	62,425	67,792	71,764	71,019	72,757
Apparel & Other Textile Products	1,733	1,820	2,380	3,110	4,882	6,118
Lumber & Wood Products	192,557	205,008	181,258	185,000	156,391	208,073
Furniture & Fixtures	(D)	(D)	1,741	(D)	2,122	2,737
Paper & Allied Products	14,735	17,441	23,142	26,318	25,429	30,211
Chemicals & Allied Products	11,227	12,854	12,812	13,033	14,507	13,809
Primary Metals Processing	(D)	(D)	76,599	(D)	45,440	38,690
Fabricated Metal Products	8,926	11,304	13,852	14,388	13,064	12,711
Machinery, except Electrical	6,138	7,527	7,723	9,582	7,910	6,808
Electrical Machinery	2,983	4,270	4,627	4,555	3,926	4,094
Transportation Equipment	1,801	1,513	936	1,099	737	1,037
Instruments & Related Products	1,346	1,514	1,565	1,734	2,133	2,882
Misc. Manufacturing	5,338	5,202	5,279	5,431	5,758	5,737
Railroad Transportation	148,581	178,030	181,152	176,635	163,773	152,387
Services (Hotels & Other Lodging Places)	44,126	47,068	51,455	48,649	39,915	46,120
Total Private Basic Earnings	1,140,215	1,110,199	1,216,731	1,399,523	1,236,598	1,195,327
Federal Government:	294,522	315,666	332,657	359,695	370,486	391,813
Civilian	221,649	241,491	257,806	278,354	282,249	298,500
Military	72,873	74,175	74,851	81,341	88,237	93,313
Total Basic Labor Income	1,434,737	1,425,865	1,549,388	1,759,218	1,607,084	1,587,140

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, August 1984 and Keegan, Jackson & Johnson, Montana's Forest Products Industry, 1983, p. 71 for 1981 lumber and wood products.

TABLE VIII - 4

LABOR INCOME FROM BASIC INDUSTRIES IN MONTANA
(thousands of constant 1983 dollars)

Industry	1970	1971	1972	1973	1974	1975	1976	1977
Agriculture	\$ 661,022	\$ 562,023	\$ 866,035	\$ 1,252,452	\$ 838,338	\$ 722,485	\$ 414,253	\$ 222,084
Mining:	144,934	114,795	145,876	162,154	205,471	192,267	195,273	198,743
Metal Mining	88,871	73,768	88,740	94,045	98,922	86,214	61,938	56,321
Bituminous Coal & Lignite Mining	2,947	4,916	(D)	13,780	17,266	25,874	30,056	35,423
Oil & Gas Extraction	36,254	20,641	(D)	34,893	71,169	58,204	81,752	86,059
Nonmetallic Minerals Mining & Quar.	16,862	15,470	(D)	19,436	22,114	21,975	21,527	20,940
Construction (Heavy Constr. Contr.)	127,728	136,914	143,578	107,774	91,035	118,718	126,155	148,375
Manufacturing	(D)	(D)	(D)	(D)	412,371	(D)	440,457	491,179
Railroad Transportation	154,859	156,167	171,085	181,932	179,705	169,025	188,612	195,538
Services (Hotels & Other Lodg. Places)	37,587	41,283	41,853	47,491	45,931	46,418	54,329	57,431
Total Private Labor Income	(D)	(D)	(D)	(D)	1,776,851	(D)	1,419,079	1,313,350
Federal Government:	370,378	382,061	414,324	426,923	429,303	446,726	434,946	420,852
Civilian	252,524	260,023	282,964	287,451	295,570	322,802	312,278	311,900
Military	117,854	122,038	131,360	139,473	133,733	123,924	122,668	108,951
Total Labor Income	(D)	(D)	(D)	(D)	\$ 2,206,154	(D)	\$ 1,854,025	\$ 1,734,202

Industry	1978	1979	1980	1981	1982	1983
Agriculture	\$ 459,720	\$ 230,115	\$ 296,131	\$ 354,453	\$ 241,641	\$ 214,167
Mining:	208,931	265,540	292,972	354,100	304,931	234,823
Metal Mining	56,141	60,390	58,190	67,792	49,919	47,982
Bituminous Coal & Lignite Mining	50,440	55,673	54,531	55,834	53,107	53,125
Oil & Gas Extraction	82,205	127,321	158,469	212,434	183,235	113,284
Nonmetallic Minerals Mining & Quarrying	20,145	22,155	21,782	18,041	18,670	20,432
Construction (Heavy Constr. Contractors)	151,428	125,939	108,281	139,424	158,083	142,166
Manufacturing	537,316	541,838	476,968	441,572	366,353	405,664
Railroad Transportation	212,856	234,014	216,168	193,981	169,815	152,387
Services (Hotels & Other Lodging Places)	63,215	61,869	61,401	53,426	41,388	46,120
Total Labor Income	1,633,467	1,459,314	1,451,920	1,536,957	1,282,220	1,195,327
Federal Government:	421,931	414,931	396,958	395,017	384,154	391,813
Civilian	317,533	317,431	307,639	306,689	292,662	298,500
Military	104,398	97,500	89,319	89,329	91,492	93,313
Total Labor Income	\$ 2,055,398	\$ 1,874,245	\$ 1,848,879	\$ 1,931,974	\$ 1,666,374	\$ 1,587,140

NOTE: Earnings considered basic are from the industrial sectors identified in the preceding table. Not all basic earnings are presented here, since these figures are only approximations. For example, there is underestimation of service earnings where it is thought that actual basic earnings are about three times the earnings generated from hotel & other lodging places. Also, pipeline transportation is considered basic but is omitted altogether here because of disclosure problems.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, August 1984. Constant 1983 dollar calculations by the Census & Economic Information Center, Montana Dept. of Commerce, October, 1984, using the implicit price deflators for consumption.

FIGURE VIII-2 MONTANA LABOR INCOME FROM BASIC INDUSTRIES 1970-1983

Figure VIII-2a

Total Basic Labor Income

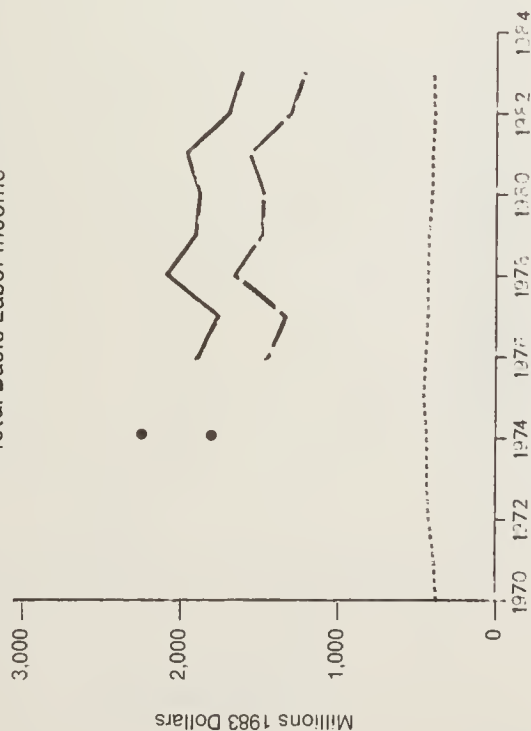


Figure VIII-2b

Basic Labor Income, Federal Government

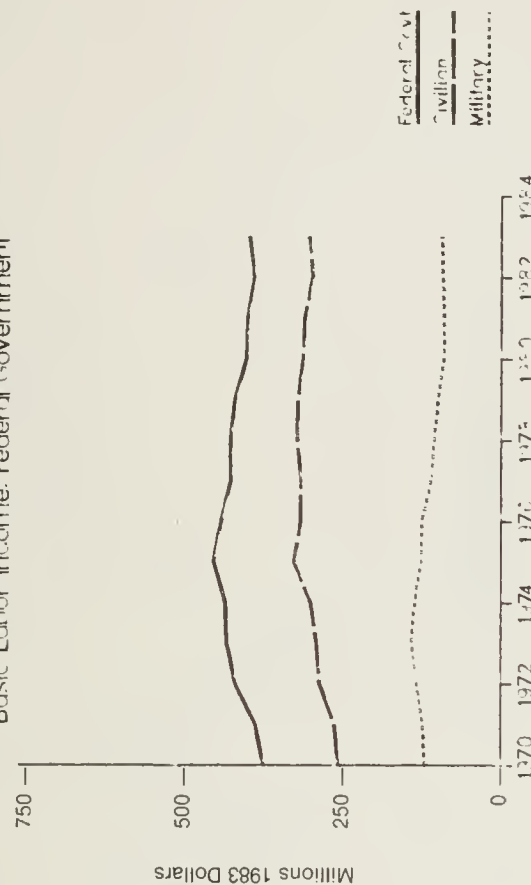


Figure VIII-2c

Basic Labor Income: Hotels/Motels

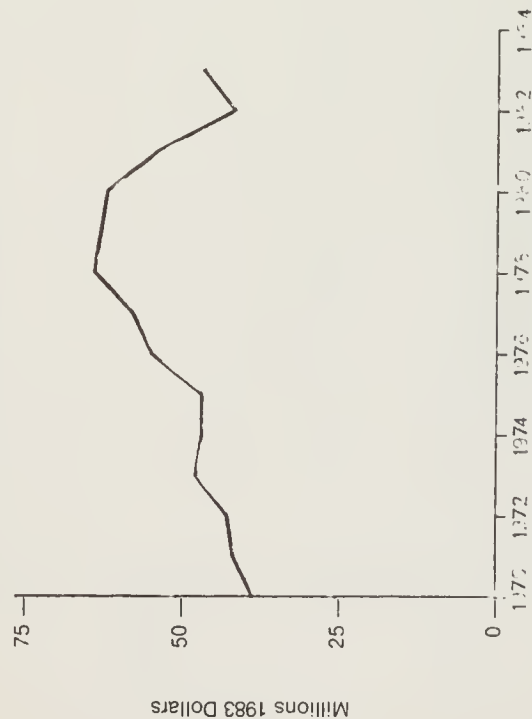
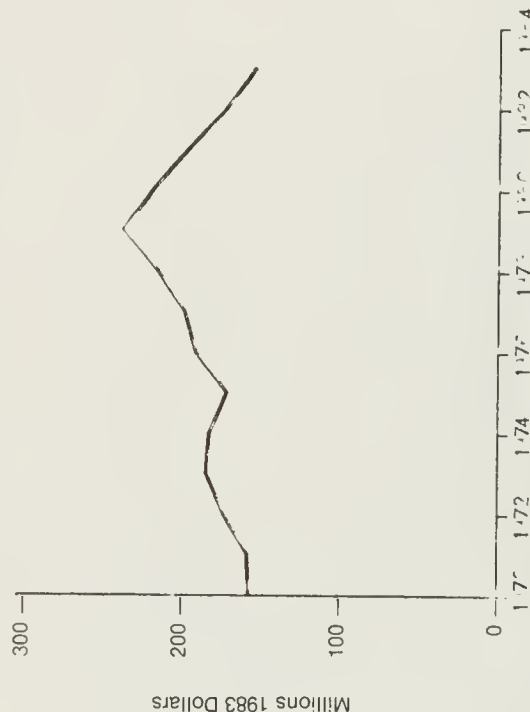


Figure VIII-2d

Basic Labor Income: Railroad



Note: Missing data points indicate that data are withheld from publication to avoid identifying individual firms.

Source: U.S. Bureau of Economic Analysis.

Figure VIII-2 (continued)
MONTANA LABOR INCOME FROM BASIC INDUSTRIES
1970-1983

Figure VIII-2e

Basic Labor Income: Manufacturing



Figure VIII-2f

Basic Labor Income: Heavy Construction

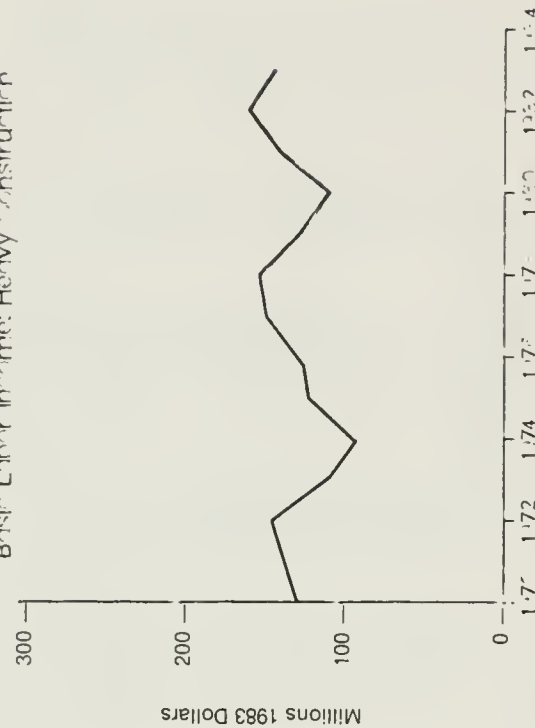


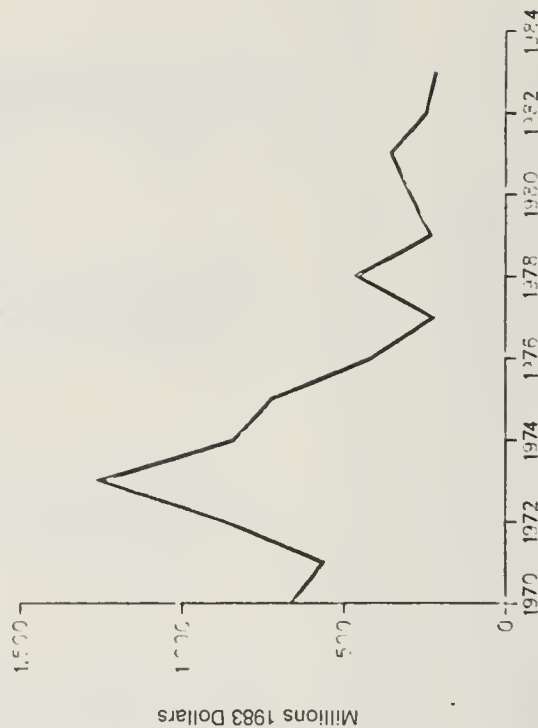
Figure VIII-2g

Basic Labor Income: Mining



Figure VIII-2h

Basic Labor Income: Agriculture



Note: Missing data points indicate that data are withheld from publication to avoid identifying individual firms.

MONTANA: LABOR INCOME FROM BASIC INDUSTRIES
1970-1983

Figure VIII-2i

Basic Labor Income: Coal Mining



Figure VIII-2j

Basic Labor Income: Oil & Gas Extraction

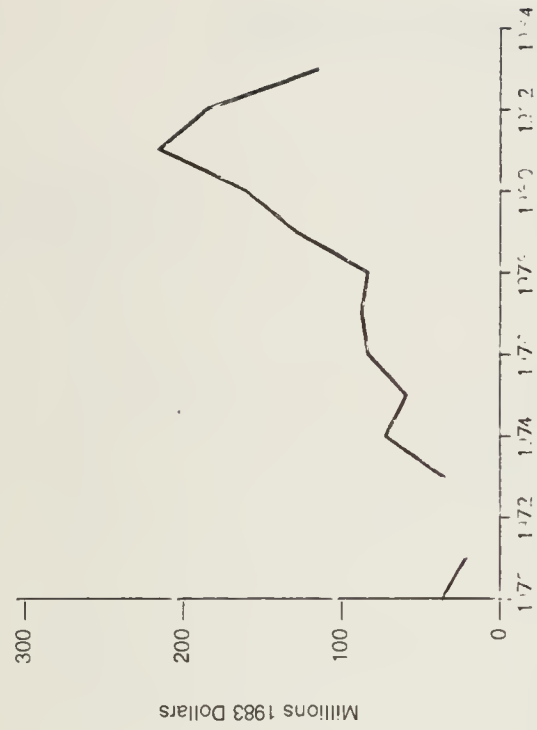


Figure VIII-2k

Basic Labor Income: Non-Metallic Minerals Mining

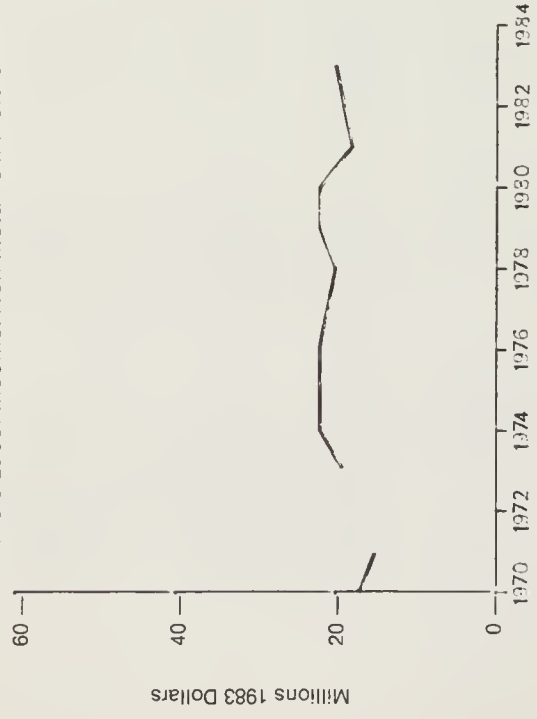
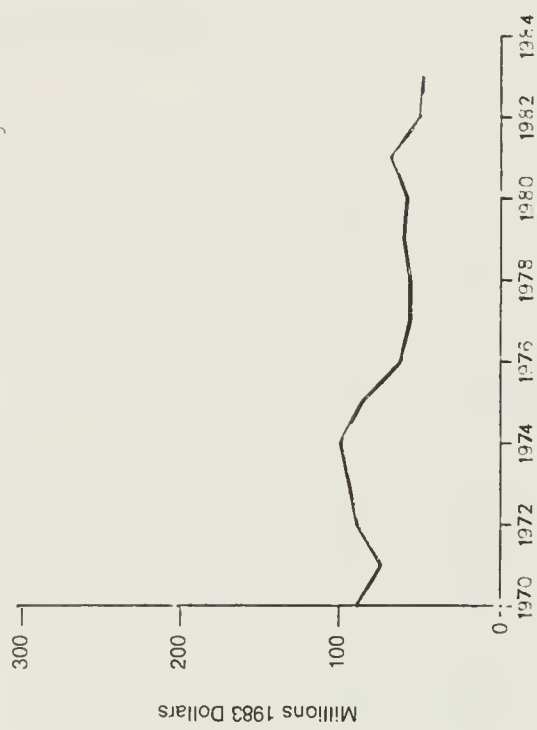


Figure VIII-2l

Basic Labor Income: Metal Mining



Note: Missing data points indicate that data are withheld from publication to avoid identifying individual firms.

Source: U.S. Bureau of Economic Analysis.

TABLE VIII - 5

MONTANA SECONDARY EMPLOYMENT MULTIPLIERS
(basic sectors only)

Sector	Secondary Employment Multipliers
Agriculture	1.36
Metal Mining	2.14
Coal Mining	2.39
Oil & Gas Mining	1.88
Other Mining	1.88
Wood & Paper Products	1.73
Primary Metals Manufacturing	1.98
Other Durable Manufacturing	1.55
Food & Kindred Products	1.51
Petroleum Refining	2.32
Other Nondurable Manufacturing	1.51
Tourism (Basic Component)	0.73

NOTE: It is thought that the multipliers above would be more valid in urban areas than in rural areas. An example of how the multipliers work is that in tourism, for every job in the sector there is 0.73 of a job elsewhere in the economy.

SOURCE: Derived from Bruce Finnie, Report on Non-Interest Rate Return to State, Helena, Montana Dept. of Commerce, January 1983. Methodology included using the Montana Alternative Simulation System II (MASS), 1981. The MASS model is at the Census & Economic Information Center, Montana Dept. of Commerce.

TABLE VIII - 6

MANUFACTURING & EXPORT-RELATED MANUFACTURING:
VALUE OF SHIPMENTS IN MONTANA BY INDUSTRY GROUP
(in millions)

SIC Code	Item	1972	1976	1977	1980	1981
20	Food & Kindred Products					
	Total	(NA)	\$243.6	\$392.1	\$572.8	\$615.3
	For Export**	(NA)	24.5	37.7	6.8	7.1
	For Export/Total	(NA)	7.1%	9.6%	1.2%	1.2%
23	Apparel, Other Textile Products					
	Total	(NA)	(NA)	(NA)	(NA)	(Z)
	For Export	(NA)	(NA)	(NA)	(NA)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
24	Lumber & Wood Products					
	Total	(NA)	441.3	614.9	726.3	733.4
	For Export	(NA)	10.2	9.8	20.6	20.0
	For Export/Total	(NA)	2.3%	1.6%	2.8%	2.7%
25	Furniture & Fixtures					
	Total	(NA)	(NA)	(NA)	7.2	6.8
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(Z)	(NA)
26	Paper & Allied Products					
	Total	(NA)	(NA)	(NA)	(NA)	(NA)
	For Export	(NA)	(NA)	(NA)	(NA)	(NA)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
27	Printing & Publishing					
	Total	(NA)	(NA)	62.3	84.6	94.0
	For Export	(NA)	(NA)	0.1	0.2	0.2
	For Export/Total	(NA)	(NA)	0.2%	0.2%	0.2%
28	Chemicals, Allied Products					
	Total	(NA)	64.6	63.8	138.1	138.8
	For Export	(NA)	4.4	8.5	6.8	8.7
	For Export/Total	(NA)	6.8%	13.3%	4.9%	6.3%
29	Petroleum & Coal Products					
	Total	(NA)	(NA)	(NA)	1668.4	1866.5
	For Export	(NA)	(NA)	(NA)	(Z)	1.3
	For Export/Total	(NA)	(NA)	(NA)	(Z)	0.1%

TABLE VIII - 6
(cont.)

SIC Code	Item	1972	1976	1977	1980	1981
30	Rubber, Misc. Plastic Products					
	Total	(NA)	(NA)	(NA)	2.3	2.7
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
31	Leather, Leather Products					
	Total	(NA)	(NA)	(NA)	(NA)	2.2
	For Export	(NA)	(NA)	(NA)	(NA)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
32	Stone, Clay & Glass Products					
	Total	(NA)	(NA)	(NA)	110.6	122.1
	For Export	(NA)	(NA)	(NA)	0.1	0.1
	For Export/Total	(NA)	(NA)	(NA)	0.1%	0.1%
34	Fabricated Metal Products					
	Total	(NA)	(NA)	(NA)	84.9	52.3
	For Export	(NA)	(NA)	(NA)	0.9	0.6
	For Export/Total	(NA)	(NA)	(NA)	1.1%	1.1%
35	Machinery, except Electric					
	Total	(NA)	(NA)	17.4	11.8	14.2
	For Export	(NA)	(NA)	0.3	0.3	0.5
	For Export/Total	(NA)	(NA)	1.7%	2.5%	3.5%
36	Electric, Electronic Equipment					
	Total	(NA)	(NA)	(NA)	44.5	35.7
	For Export	(NA)	(NA)	(NA)	9.4	8.4
	For Export/Total	(NA)	(NA)	(NA)	21.1%	23.5%
37	Transportation Equipment					
	Total	(NA)	S	9.4	3.9	4.1
	For Export	(NA)	S	1.1	(Z)	0.1
	For Export/Total	(NA)	S	11.7%	(NA)	2.4%
38	Instruments, Related Products					
	Total	(NA)	(NA)	(NA)	3.7	4.8
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
39	Misc. Manufacturing Industries					
	Total	(NA)	(NA)	(NA)	20.6	18.2
	For Export	(NA)	(NA)	(NA)	0.5	0.5
	For Export/Total	(NA)	(NA)	(NA)	2.4%	2.7%

TABLE VIII - 6
(cont.)

SIC Code	Item	1972	1976	1977	1980	1981
	Montana Totals:					
	Total	1596.7	2524.9	2669.9	4710.3	4289.6
	For Export	(D)	43.9	59.3	54.6	61.4
	For Export/Total	(D)	1.7%	2.2%	1.2%	1.4%

NA - not available

Z - less than \$50,000

S - data not published because of large sampling error

D - data not disclosed to avoid identifying individual firms

* all "Totals" include total domestic and export shipments for all manufacturing establishments.

** all "For Export" entries include only the value of manufactured products exported by the producing plants.

NOTE: The export-related employment data shown do not include the jobs involved in the export of manufactured goods such as farm products, minerals, and various services sold to foreign buyers such as transportation, insurance, motion pictures, financial services, etc. Thus, jobs in the manufacturing sector that relate to the export of nonmanufactured goods are excluded from the estimates. In addition, all of the indirect exports being reported are domestically produced; that is, they exclude imports. The methodology used to exclude import shares as described in the text are based on the assumption that the import content for a product is the same for all consumers.

Data are based on a sample, and are not comparable with data in basic employment table.

SOURCE: U.S. Bureau of the Census, 1981 Annual Survey of Manufacturers; Origin of Exports of Manufactured Products and Annual Survey of Manufacturers, 1976; Origin of Exports of Manufacturing Establishments.

FIGURE VIII-3

Manufacturing Employment Related to Manufactured Exports for States: 1980

(Shading indicates export-related employment as a percentage of manufacturing employment. Numbers are export-related employment in thousands)

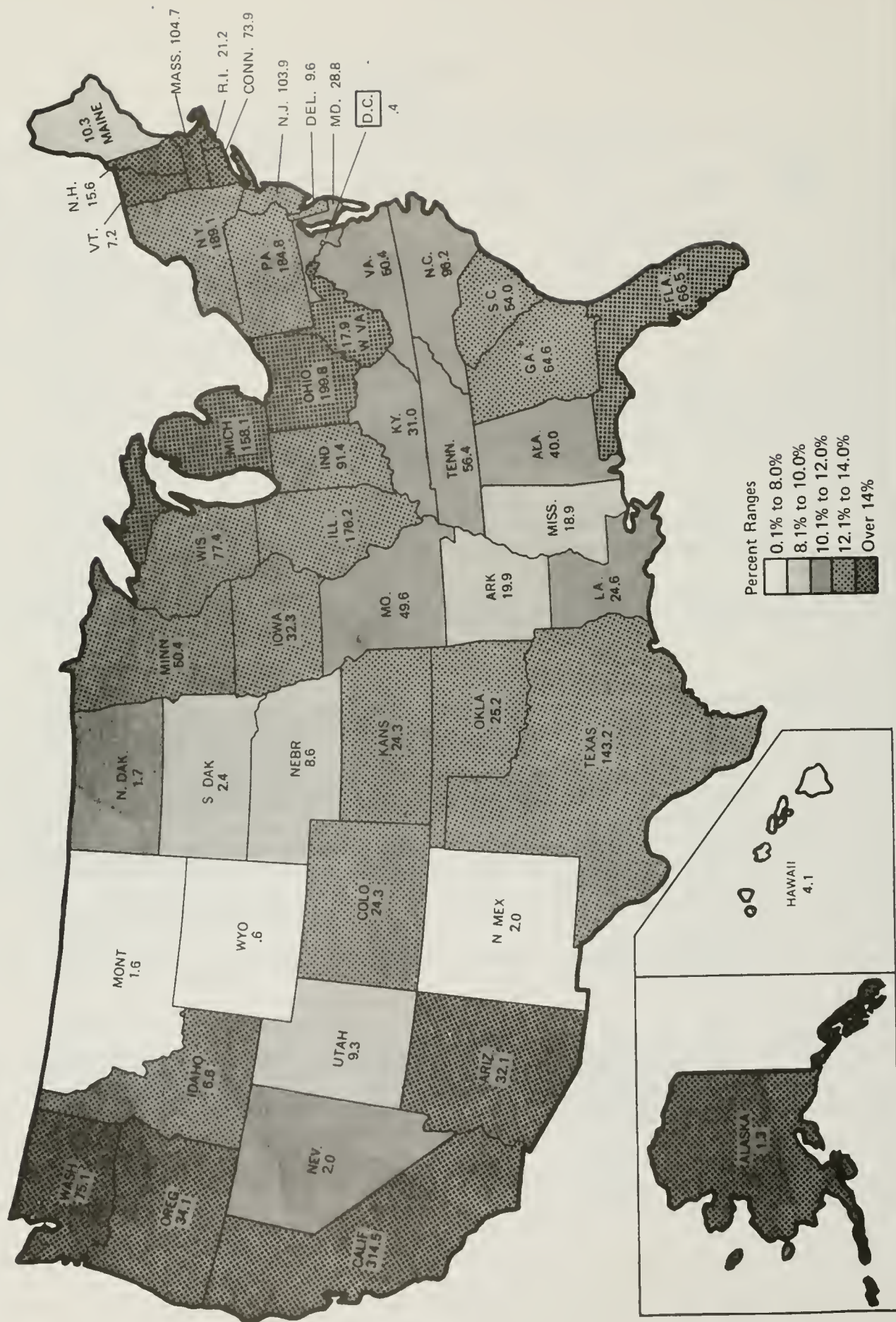


TABLE VIII - 7

MANUFACTURING & EXPORT-RELATED MANUFACTURING:
EMPLOYMENT IN MONTANA BY INDUSTRY GROUP
(in thousands)

SIC Code	Item	1972	1976	1977	1980	1981
20	Food & Kindred Products					
	Total	(NA)	3.4	3.4	3.5	3.9
	For Export	(NA)	0.2	0.1	(Z)	(Z)
	For Export/Total	(NA)	4.5%	2.9%	(NA)	(NA)
22	Textile & Mill Products					
	Total	(NA)	(NA)	(NA)	(NA)	(NA)
	For Export	(NA)	(NA)	(NA)	(NA)	(NA)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
23	Apparel, Other Textile Products					
	Total	(NA)	(NA)	(NA)	(NA)	(Z)
	For Export	(NA)	(NA)	(NA)	(NA)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
24	Lumber & Wood Products					
	Total	(NA)	7.2	9.8	9.5	8.7
	For Export	(NA)	0.2	0.1	0.2	0.2
	For Export/Total	(NA)	2.8%	1.0%	2.1%	2.3%
25	Furniture & Fixtures					
	Total	(NA)	(NA)	(NA)	0.2	0.2
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
26	Paper & Allied Products					
	Total	(NA)	(NA)	(NA)	(NA)	(NA)
	For Export	(NA)	(NA)	(NA)	(NA)	(NA)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
27	Printing & Publishing					
	Total	(NA)	(NA)	1.8	2.5	2.5
	For Export	(NA)	(NA)	(Z)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
28	Chemicals, Allied Products					
	Total	(NA)	0.4	0.5	0.8	0.8
	For Export	(NA)	(Z)	(Z)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)

TABLE VIII - 7
(cont.)

SIC Code	Item	1972	1976	1977	1980	1981
29	Petroleum & Coal Products					
	Total	(NA)	(NA)	(NA)	0.9	1.0
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
30	Rubber, Misc. Plastic Products					
	Total	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
31	Leather, Leather Products					
	Total	(NA)	(NA)	(NA)	(NA)	0.1
	For Export	(NA)	(NA)	(NA)	(NA)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
32	Stone, Clay & Glass Products					
	Total	(NA)	(NA)	(NA)	1.2	1.2
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
34	Fabricated Metal Products					
	Total	(NA)	(NA)	(NA)	1.3	0.8
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
35	Machinery, except Electric					
	Total	(NA)	(NA)	0.4	0.3	0.3
	For Export	(NA)	(NA)	(Z)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
36	Electric, Electronic Equipment					
	Total	(NA)	(NA)	(NA)	0.6	0.5
	For Export	(NA)	(NA)	(NA)	0.1	0.1
	For Export/Total	(NA)	(NA)	(NA)	16.7%	20.0%
37	Transportation Equipment					
	Total	(NA)	0.7	0.2	0.1	0.1
	For Export	(NA)	(Z)	(Z)	(Z)	(Z)
	For Export/Total	(NA)	(Z)	(NA)	(NA)	(NA)
38	Instruments, Related Products					
	Total	(NA)	(NA)	(NA)	0.1	0.1
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)

TABLE VIII - 7
(cont.)

SIC Code	Item	1972	1976	1977	1980	1981
39	Misc. Manufacturing Industries					
	Total	(NA)	(NA)	(NA)	0.6	0.6
	For Export	(NA)	(NA)	(NA)	(Z)	(Z)
	For Export/Total	(NA)	(NA)	(NA)	(NA)	(NA)
	Montana Totals:					
	Total	21.4	21.7	23.8	24.2	22.6
	For Export	(D)	0.4	0.3	0.3	0.4
	For Export/Total	(D)	1.8%	1.3%	1.2%	1.8%

(D) - data not disclosed to avoid identifying individual firms

(Z) - less than 50

* All "Totals" include employees of central administrative offices (CAO's) and auxiliaries (warehouses, garages, repair shops, etc.) serving operating manufacturing establishments.

** All "For Export" employment is limited to paid employees in manufacturing plants producing the export product. The number of employees related to export shipments was calculated for each establishment, aggregated by industry, and inflated to a level comparable to the plant value of exports reported in the official foreign trade statistics at port value.

NOTE: The export-related employment data shown do not include the jobs involved in the export of manufactured goods such as farm products, minerals, and various services sold to foreign buyers such as transportation, insurance, motion pictures, financial services, etc. Thus, jobs in the manufacturing sector that relate to the export of nonmanufactured goods are excluded from the estimates. In addition, all of the indirect exports being reported are domestically produced; that is, they exclude imports. The methodology used to exclude import shares as described in the text are based on the assumption that the import content for a product is the same for all consumers.

Data are based on a sample, and are not comparable with data in basic employment table.

SOURCE: U.S. Bureau of the Census, 1981 Annual Survey of Manufacturers; Origin of Exports of Manufactured Products and Annual Survey of Manufacturers, 1976; Origin of Exports of Manufacturing Establishments.

CHAPTER IX

TRANSPORTATION

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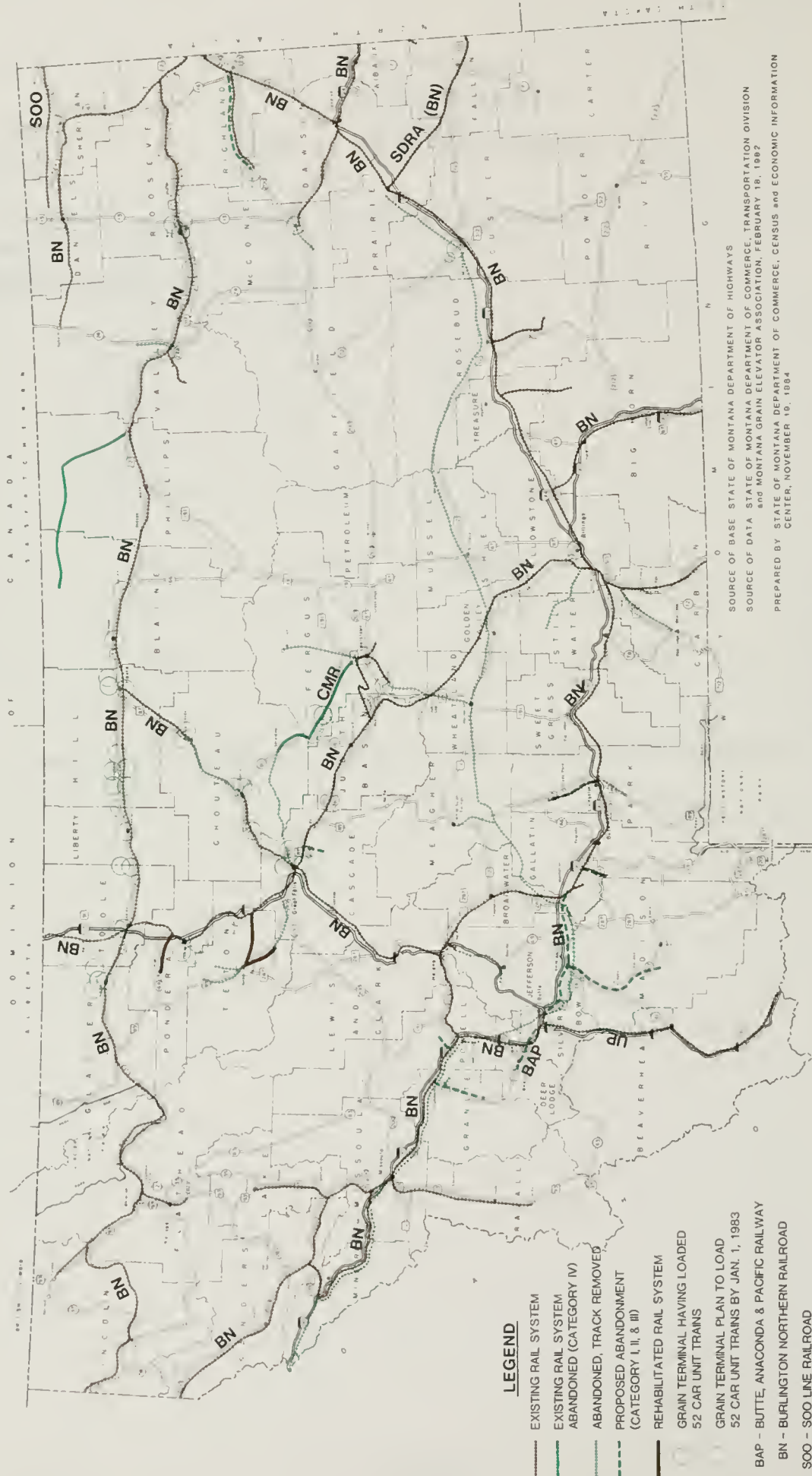
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TABLE IX - 1
RAILROAD ROUTE MILES IN MONTANA

	1972	1979	1982	1984	Net Abandoned
Milwaukee	1,168.0	1,066.6	78.6	0.0	1,168.0
Soo Line	56.9	56.9	56.9	56.9	0.0
U.P.	147.7	133.3	133.3	133.3	14.4
BA&P	45.9	31.9	31.9	31.9	14.0
WSS&YP	22.9	22.9	0.0	0.0	22.9
B.N.	4,311.5	3,385.4	3,414.4	3,178.8	1,132.7
SDRA/BN	0.0	0.0	0.0	78.6	0.0
Totals:	5,752.9	4,697.0	3,715.1	3,479.5	2,352.0

SOURCE: Transportation Division, Montana Dept. of Commerce, July 1984.



MONTANA RAIL SYSTEMS & ABANDONMENTS WITH GRAIN TERMINALS

FIGURE IX-1

SOURCE OF BASE STATE OF MONTANA DEPARTMENT OF HIGHWAYS
 SOURCE OF DATA STATE OF MONTANA DEPARTMENT OF COMMERCE, TRANSPORTATION DIVISION
 AND MONTANA GRAIN ELEVATOR ASSOCIATION, FEBRUARY 10, 1982
 PREPARED BY STATE OF MONTANA DEPARTMENT OF COMMERCE, CENSUS AND ECONOMIC INFORMATION
 CENTER, NOVEMBER 10, 1984

10 0 10 20 30 40
 SCALE IN MILES

TABLE IX - 2

SELECTED COMMODITIES ORIGINATING & TERMINATING
ON MAJOR MONTANA RAIL LINES*
(in tons)

Commodity	1980			1983		
	Originating in Montana	Percent Originating	Terminating in Montana	Percent Terminating	Originating in Montana	Percent Terminating
Farm Products	2,735,634	7.8	599,694	12.5	4,618,264	13.2
Metallic Ores	161	(Z)	468,780	9.8	118,242	0.3
Coal	27,471,094	78.7	1,054,761	22.1	26,027,484	74.3
Crude Petroleum, Natural Gas & Natural Gasoline	56,517	0.2	0	0	35,983	0.1
Nonmetallic Minerals, except Fuels	664,628	1.9	544,307	11.4	621,595	1.8
Food & Kindred Products	340,049	1.0	218,056	4.6	307,401	0.9
Lumber & Wood Products	1,812,145	5.2	673,171	14.1	1,444,156	4.1
Pulp, Paper & Allied Products	421,973	1.2	40,495	0.8	592,715	1.7
Chemicals & Allied Products	147,664	0.4	401,740	8.4	107,465	0.3
Petroleum & Allied Products	426,640	1.2	260,300	5.4	501,981	1.4
Stone, Clay, Glass & Concrete	416,076	1.2	82,889	1.7	306,920	0.9
Primary Metal Products	332,495	1.0	200,011	4.2	204,238	0.6
Transportation Equipment	3,029	(Z)	72,229	1.5	19,028	0.1
Waste & Scrap	82,266	0.2	21,285	0.4	100,017	0.3
Other	6,653	(Z)	143,471	3.0	27,991	0.1
Total:	34,917,024	100.0	4,781,119	100.0	35,033,480	100.0

* Including Burlington Northern, the Milwaukee, the Union Pacific, & the Soo Line.

(Z) - Less than 0.05 percent.

NOTE: Percentage figures may not total to 100% due to rounding.

SOURCE: R-1 reports for each railroad to the Montana Public Service Commission, years indicated.

TABLE IX - 3

FREIGHT CARRIED ON BURLINGTON NORTHERN RAILROAD DURING THE YEAR
ORIGINATING IN MONTANA
(tons)

IOC Code	Commodity	1974	Percent	1975	Percent	1976	Percent	1977	Percent	1978	Percent
01	Farm Products	2,763,221	13.1	2,528,813	8.8	3,231,826	9.7	2,676,983	8.4	2,956,250	9.2
08	Forest Products	2,954	(Z)	2,553	(Z)	3,340	(Z)	2,090	(Z)	1,949	(Z)
09	Fresh Fish & Other Marine Prod.		--	--	--	--	--	--	--	--	--
10	Metallic Ores	4,127	(Z)	199,164	0.7	92,716	0.3	169,122	0.5	221	(Z)
11	Coal	13,483,991	64.0	21,331,227	74.2	24,728,535	74.5	24,158,524	75.8	24,290,177	75.4
13	Crude Petroleum	50,446	0.2	89,410	0.3	106,744	0.3	60,973	0.2	67,427	0.2
14	Nonmetallic Minerals	726,365	3.5	799,659	2.8	752,862	2.3	685,882	2.2	807,246	2.5
19	Ordnance & Accessories	2,414	(Z)	103	(Z)	65	(Z)	132	(Z)	119	(Z)
20	Food & Kindred Products	310,879	1.5	305,580	1.1	289,948	.9	315,463	1.0	331,276	1.0
21	Tobacco Products	--	--	95	(Z)	--	--	307	(Z)	--	--
22	Textile Mill Products	102	(Z)	106	(Z)	189	(Z)	142	(Z)	51	(Z)
24	Lumber & Wood	1,935,140	9.2	1,881,293	6.5	2,189,644	6.6	2,199,239	6.9	2,182,040	6.8
25	Furniture & Fixtures	507	(Z)	183	(Z)	139	(Z)	131	(Z)	232	(Z)
26	Pulp Paper & Allied Products	228,653	1.1	148,379	0.5	226,785	0.7	243,685	0.8	281,456	0.9
27	Printed Matter	22	(Z)	96	(Z)	47	(Z)	58	(Z)	--	--
28	Chemicals & Allied Products	25,612	0.1	19,204	0.1	34,072	0.1	35,622	0.1	99,578	0.3
29	Petroleum & Coal Products	517,805	2.5	532,858	1.9	571,377	1.7	459,425	1.4	411,987	1.3
30	Rubber & Misc. Plastic	472	(Z)	533	(Z)	1,011	(Z)	290	(Z)	35	(Z)
31	Leather	--	--	--	--	--	--	--	--	--	--
32	Stone, Clay, Glass & Concrete	470,088	2.2	422,313	1.5	480,567	1.5	384,878	1.2	329,511	1.0
33	Primary Metal Products	404,566	1.9	361,949	1.3	377,223	1.1	365,388	1.2	356,052	1.1
34	Fabr. Metal Products, excluding Ordnance Mach.	1,614	(Z)	998	(Z)	1,446	(Z)	2,134	(Z)	920	(Z)
35	Machinery, except Electrical	2,762	(Z)	2,484	(Z)	2,478	(Z)	1,158	(Z)	933	(Z)
36	Elec. Machinery, Equipment & Supplies	818	(Z)	929	(Z)	746	(Z)	202	(Z)	95	(Z)
37	Transportation Equipment	4,793	(Z)	3,547	(Z)	1,625	(Z)	1,934	(Z)	775	(Z)
39	Misc. Products of Manufacturing *	1,162	(Z)	98	(Z)	66	(Z)	34	(Z)	--	--
40	Waste & Scrap Materials	63,274	0.3	57,583	0.2	41,986	0.1	49,542	0.2	56,375	0.2
41	Misc. Freight Shipments	2,975	(Z)	1,947	(Z)	3,185	(Z)	1,277	(Z)	1,438	(Z)
42	Containers, Shipping, Returned Empty	3,967	(Z)	2,697	(Z)	1,451	(Z)	2,931	(Z)	2,331	(Z)
44	Freight Fwdr. Traffic	20	(Z)	20	(Z)	--	--	195	(Z)	31	(Z)
45	Shipper Assn. Traffic	56	(Z)	178	(Z)	623	(Z)	328	(Z)	121	(Z)
46	Misc. Mixed Shipments	7,562	(Z)	12,368	(Z)	4,157	(Z)	1,757	(Z)	770	(Z)
	Grand Total C.L. Traffic	21,016,187	99.8	28,706,417	99.9	33,144,853	99.9	31,820,936	99.9	32,179,396	99.9
	Small Package Shipments	50,781	0.2	41,984	0.2	42,061	0.1	42,971	0.1	38,045	0.1
	Grant Total, CL & LCL Traffic **	21,066,968	100.0	28,748,401	100.0	33,186,914	100.0	31,863,907	100.0	32,217,441	100.0

* Including instruments, photo & optical, watches & clocks.

** May not equal 100% due to rounding.

TABLE IX - 3
(cont.)

ICC Code	Commodity	1979	Percent	1980	Percent	1981	Percent	1982	Percent	1983	Percent
01	Farm Products	2,815,776	7.6	3,155,917	7.3	(NA)	(NA)	3,883,856	10.2	4,697,806	11.9
08	Forest Products	1,800	(Z)	1,933	(Z)	(NA)	(NA)	5,271	(Z)	425	(Z)
09	Fresh Fish & Other Marine Prod.	--	(Z)	239	(Z)	(NA)	(NA)	--	(Z)	--	(Z)
10	Metallic Ores	--	(Z)	496,089	1.2	(NA)	(NA)	431,714	1.1	388,148	1.0
11	Coal	29,461,017	79.2	30,353,850	70.2	(NA)	(NA)	26,458,167	69.7	26,427,926	66.6
13	Crude Petroleum	60,002	0.2	25,655	0.1	(NA)	(NA)	79,475	0.2	38,382	0.1
14	Nonmetallic Minerals	785,824	2.1	804,953	1.9	(NA)	(NA)	656,277	1.7	839,654	2.1
19	Ordnance & Accessories	--	(Z)	54	--	(NA)	(NA)	101	(Z)	835	(Z)
20	Food & Kindred Products	353,695	1.0	548,938	1.3	(NA)	(NA)	468,470	1.2	408,519	1.0
21	Tobacco Products	--	(Z)	930	(Z)	(NA)	(NA)	1,048	(Z)	479	(Z)
22	Textile Mill Products	124	(Z)	354	(Z)	(NA)	(NA)	699	(Z)	721	(Z)
24	Lumber & Wood	2,121,187	5.7	2,556,104	5.9	(NA)	(NA)	1,885,357	5.0	1,966,033	5.0
25	Furniture & Fixtures	160	(Z)	1,811	(Z)	(NA)	(NA)	756	(Z)	752	(Z)
26	Pulp Paper & Allied Products	267,589	0.7	475,138	1.1	(NA)	(NA)	481,259	1.3	708,588	1.8
27	Printed Matter	1,058	(Z)	541	(Z)	(NA)	(NA)	357	(Z)	276	(Z)
28	Chemicals & Allied Products	120,824	0.3	1,077,356	2.5	(NA)	(NA)	1,105,336	2.9	1,362,080	3.4
29	Petroleum & Coal Products	455,668	1.2	861,917	2.0	(NA)	(NA)	859,662	2.3	858,843	2.2
30	Rubber & Misc. Plastic	215	(Z)	1,607	(Z)	(NA)	(NA)	717	(Z)	115	(Z)
31	Leather	--	--	69	(Z)	(NA)	(NA)	--	--	80	(Z)
32	Stone, Clay, Glass & Concrete	302,613	0.8	1,925,305	4.5	(NA)	(NA)	989,554	2.6	1,243,619	3.1
33	Primary Metal Products	366,870	1.0	600,068	1.4	(NA)	(NA)	96,666	1.0	321,551	0.8
34	Fabr. Metal Products, excluding Ordnance Mach. & Trans.	1,058	(Z)	7,952	(Z)	(NA)	(NA)	16,484	(Z)	4,417	(Z)
35	Machinery, except Electrical	526	(Z)	17,632	(Z)	(NA)	(NA)	12,878	(Z)	10,236	(Z)
36	Elec. Machinery, Equipment & Supplies	189	(Z)	3,328	(Z)	(NA)	(NA)	4,092	(Z)	2,962	(Z)
37	Transportation Equipment	2,979	(Z)	13,830	0.2	(NA)	(NA)	98,238	0.3	138,882	0.4
39	Misc. Products of Manufacturing *	57	(Z)	1,536	(Z)	(NA)	(NA)	80	(Z)	--	--
40	Waste & Scrap Materials	65,195	0.2	136,515	0.3	(NA)	(NA)	69,676	0.2	158,065	0.4
41	Misc. Freight Shipments	306	(Z)	1,181	(Z)	(NA)	(NA)	4,041	(Z)	5,940	(Z)
42	Containers, Shipping, Returned Empty	1,264	(Z)	971	(Z)	(NA)	(NA)	1,824	(Z)	1,167	(Z)
44	Freight Fwdr. Traffic	15	(Z)	1,966	(Z)	(NA)	(NA)	394	(Z)	96	(Z)
45	Shipper Assn. Traffic	147	(Z)	19,836	0.1	(NA)	(NA)	16,550	(Z)	6,888	(Z)
46	Misc. Mixed Shipments	2,638	(Z)	66,267	0.2	(NA)	(NA)	58,007	0.2	64,980	0.2
Grand Total C.L. Traffic		37,188,796	99.9	43,255,842	100.0	(NA)	(NA)	37,987,026	100.0	39,658,365	100.0
Small Package Shipments		29,117	0.1	180	(Z)	(NA)	(NA)	42	(Z)	16	(Z)
Grand Total, CL & LCL Traffic **		37,217,913	100.0	43,256,022	100.0	(NA)	(NA)	37,987,068	100.0	39,658,481	(Z)

* Including instruments, photo & optical, watches & clocks.

** May not equal 100.0% due to rounding.

SOURCE: R-1 reports for each railroad to the Montana Public Service Commission, years indicated.

TABLE IX - 4

PASSENGERS ON/OFF --- MONTANA STATIONS, NORTHERN ROUTE, EMPIRE BUILDER
(based on fiscal year 10/1 - 9/30 except as noted)

Station	1977*	1978	1979	1980	1981	1982	1983	1984**
Wolf Point (WPT):								
On	3,174	2,376	2,483	3,185	3,133	3,614	6,337	3,448
Off	3,347	2,356	2,443	3,041	2,956	3,342	6,131	3,319
Glasgow (GGW):								
On	3,811	2,906	3,424	3,768	3,414	3,376	3,469	2,512
Off	3,956	2,782	2,887	3,041	2,898	3,207	3,459	2,755
Malta (MAL):								
On	1,562	1,146	995	1,570	1,691	1,761	1,943	1,331
Off	1,539	1,178	1,197	1,675	1,949	1,920	2,083	1,291
Havre (HAV):								
On	8,889	6,116	6,106	7,864	8,337	9,430	9,940	6,658
Off	8,111	6,040	6,114	7,995	8,635	10,112	10,223	6,383
Shelby (SLY):								
On	3,040	2,253	2,317	3,752	3,843	4,408	4,723	3,334
Off	3,245	2,464	2,382	3,431	3,835	4,538	4,824	3,476
Cut Bank (CUT):								
On	1,879	1,414	1,543	1,350	1,594	1,836	1,956	1,211
Off	1,414	1,261	1,585	1,217	1,431	1,680	1,741	1,052
Browning (BRO):								
On	730	354	140	544	595	835	871	768
Off	708	360	56	619	550	825	1,211	857
Glacier Park (GPK):								
On	3,036	1,726	2,676	3,177	3,458	3,443	4,125	567
Off	3,254	2,333	2,902	4,223	4,395	4,730	4,745	589
Belton (BTN):								
On	935	1,227	1,189	1,923	2,009	2,231	2,181	259
Off	1,080	1,061	946	1,746	1,900	1,910	1,975	287
Whitefish (WFH):								
On	11,019	9,795	10,782	15,193	16,421	17,575	17,540	11,965
Off	11,618	9,938	10,777	15,218	16,095	17,115	17,036	12,035
Libby (LIB):								
On	1,612	1,426	1,543	2,024	1,990	2,240	2,115	1,400
Off	1,664	1,420	1,489	1,954	1,915	2,107	2,150	1,376
Total:								
On	38,957	30,739	33,198	44,350	46,485	50,749	55,200	33,508
Off	39,876	31,193	32,778	44,155	46,559	51,536	55,583	33,420

* Calendar year.

** As of May.

SOURCE: National Railroad Passenger Corp. (Amtrak), Passenger Accounting System, years indicated.

FIGURE IX-2
Daily Highway Traffic

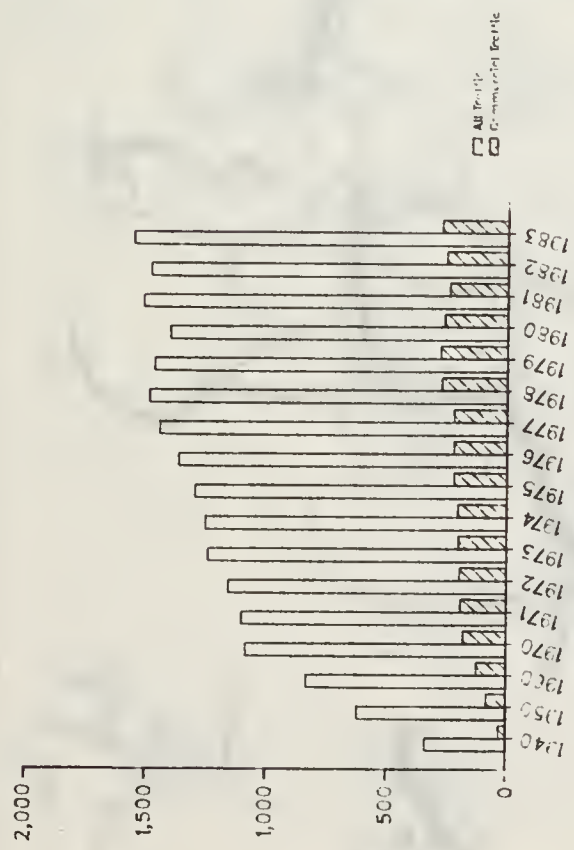


FIGURE IX-4
Railroad Route Miles

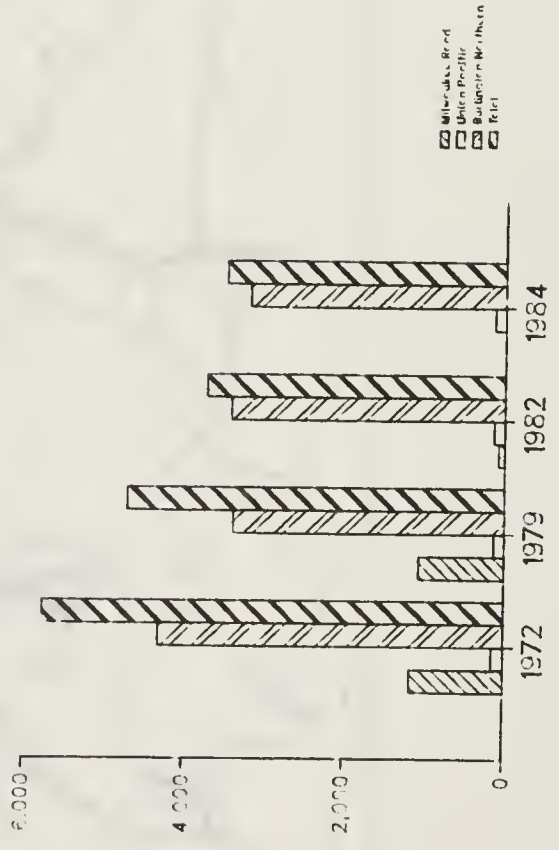
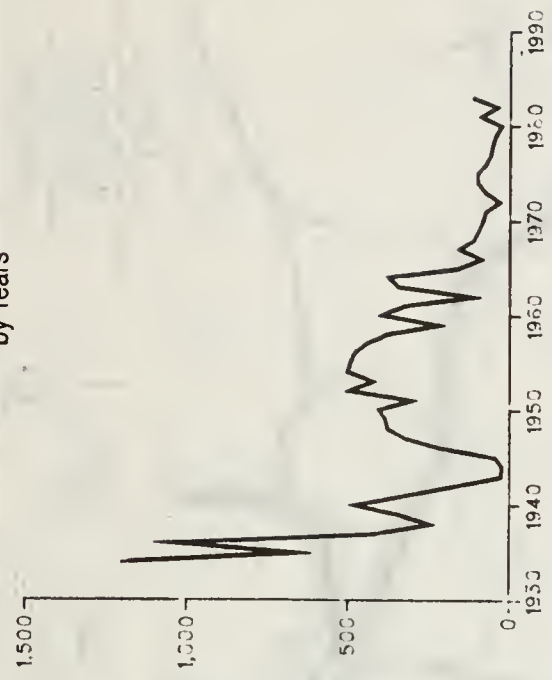


FIGURE IX-3
Rural Primary Federal Aid
Miles of Improved Highway
by Years



Source of Highway Graphs: Planning and Research and Planning and Statistics
Bureaus, Montana Department of Highways.

Source of Railroad Graph: Intermodal Commodities Bureau, Transportation
Division, Montana Department of Commerce.

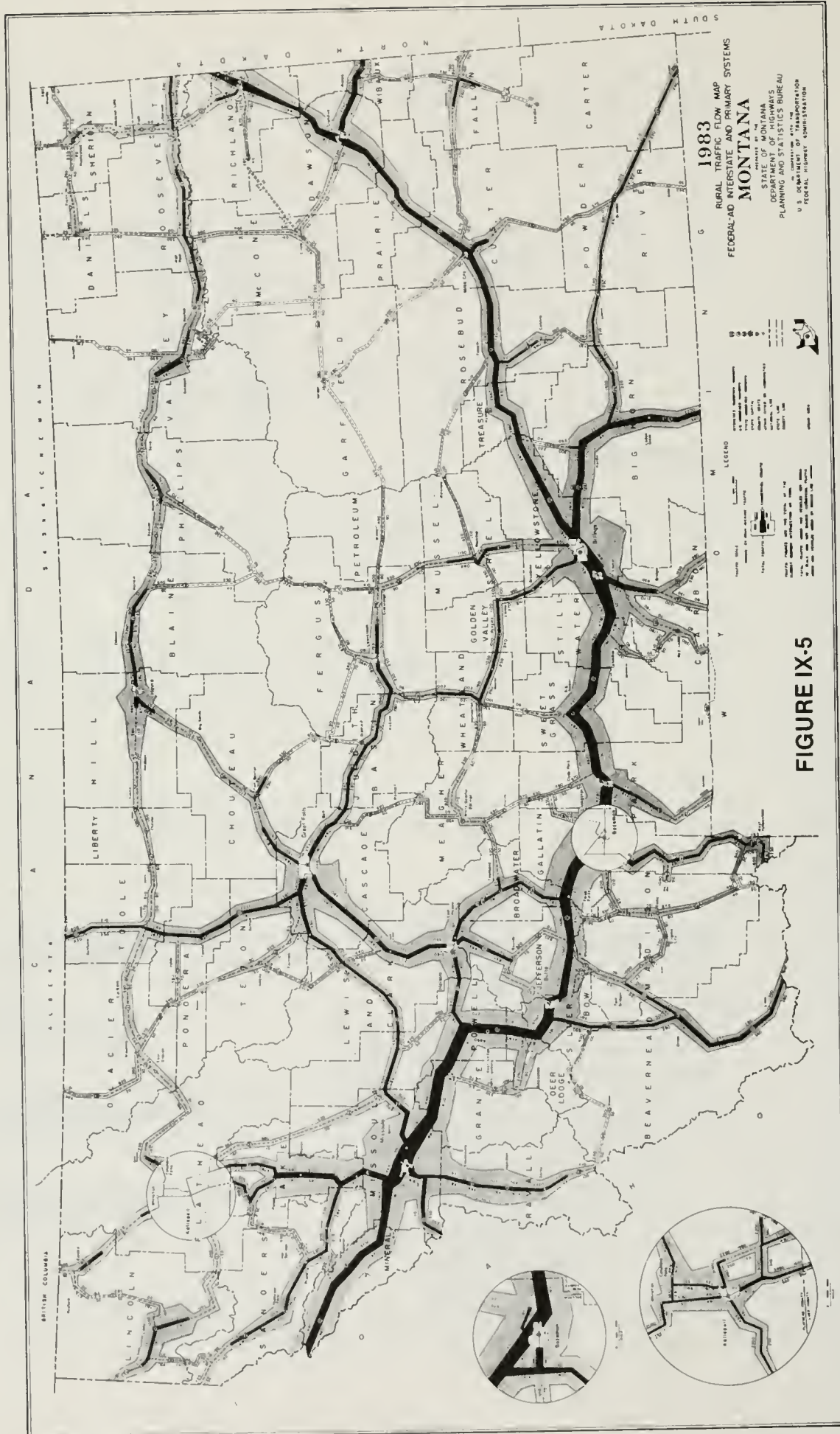


FIGURE IX-5

HIGHWAY ROUTE LENGTHS IN MONTANA: FEDERAL AID PRIMARY & INTERSTATE SYSTEM
(net constructed length)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
<u>Located Outside Federal Reservations:</u>												
Municipal	179.8	182.2	181.8	177.8	159.5	159.5	169.6	170.0	169.2	168.5	169.8	172.5
County	4859.9	5000.2	5047.8	5045.4	4911.9	4911.7	5161.2	5174.8	5174.5	5177.4	5192.2	5199.9
State Forest	42.4	42.4	42.4	42.4	42.4	42.4	54.1	54.1	54.1	54.1	54.1	51.4
Subtotal:	5082.1	5224.8	5272.1	5265.6	5113.9	5113.6	5384.9	5398.8	5397.8	5400.0	5416.1	5423.8
Less Urban Extension	161.8	164.5	167.6	161.0	121.1	121.1	126.9	128.4	123.8	122.6	126.8	129.9
Total:	4920.3	5060.4	5104.4	5104.6	4992.8	4992.5	5258.0	5270.4	5274.0	5277.4	5289.3	5293.9
<u>Located Inside Federal Reservations:</u>												
Nat. Forest	463.9	500.9	500.7	500.9	487.4	485.9	584.3	580.3	584.5	591.4	591.9	591.8
Ind. Reser.	588.0	584.6	586.5	586.2	574.6	574.6	614.0	607.5	607.5	600.1	600.3	600.0
Nat. Parks	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	20.3
Game Refuge	32.6	32.6	31.9	31.9	32.7	32.7	38.1	36.1	27.6	27.6	27.6	27.6
Total:	1108.3	1142.0	1142.6	1142.9	1118.6	1117.1	1260.3	1247.8	1243.5	1243.0	1243.6	1239.8
Grand Total:	6190.4	6366.9	6415.0	6408.5	6232.4	6230.7	6645.3	6646.6	6641.3	6643.8	6659.7	6663.6

SOURCE: Montana Department of Highways, Planning & Statistics Bureau, Montana Federal Aid Road Log, years indicated.

TABLE IX - 6

EXISTING PUBLIC ROAD & STREET MILEAGE IN MONTANA
BY JURISDICTION

	1980	1981	1982
<u>Rural:</u>			
State	6,205	6,631	7,263
Local	53,615	53,521	53,375
Federal	9,498	9,058	8,497
Total Rural:	69,351	69,210	69,135
<u>Urban:</u>			
State	282	109	154
Local	2,075	2,383	2,140
Federal	2	1	3
Total Urban:	2,359	2,493	2,297
Total Mileage:	71,710	71,703	71,432

SOURCE: Federal Highway Administration, Highway Statistics, years indicated.

TRAFFIC & MILEAGE IN MONTANA: PERCENTAGES OF CHANGE
(1981 - 1982 & 1982 - 1983)

Highway System	Percent Change, 1981-1982			Percent Change, 1982-1983		
	System Mileage	Average Daily Traffic	Daily VM of Traffic	System Mileage	Average Daily Traffic	Daily VM of Traffic
Interstate - Rural	-0.1	-1.5	-1.2	-0.3	+2.7	+2.5
Interstate - Urban	+1.4	+0.5	+1.9	+8.1	+4.5	+12.9
Primary - Rural	-0.1	-2.7	-2.3	-0.1	+5.5	+5.5
Primary - Urban	+9.8	-4.5	+4.9	+4.2	+2.5	+6.8
Subtotal: I & P	-0.1	-1.9	-2.0	-0.0	+4.8	+4.8
Urban	+6.6	-8.3	-2.2	+1.3	+5.0	+6.3
Secondary - Rural	+0.0	-4.0	-3.6	+0.2	+4.2	+5.6
Total, All Systems:	+0.2	-1.8	-1.2	+0.1	+5.0	+5.0

SOURCE: Montana Dept. of Highways, Planning & Statistics Bureau, Traffic by Sections, August 1984.

TABLE IX - 8

COMPARISON OF SYSTEM MILEAGES, AVERAGE DAILY TRAFFIC, &
DAILY VEHICLE-MILES OF TRAFFIC IN MONTANA

Highway System	1982			1983		
	System Mileage	Average Daily Traffic	Daily VM of Traffic	System Mileage	Average Daily Traffic	Daily VM of Traffic
Interstate - Rural	1,150.4	3,280	3,780,211	1,147.2	3,370	3,872,669
Interstate - Urban	43.0	7,400	318,694	46.5	7,730	359,638
Primary - Rural	5,374.1	1,090	5,902,001	5,369.3	1,150	6,227,089
Primary - Urban	96.1	10,360	995,940	100.1	10,620	1,063,601
Subtotal: I&P Rural	6,524.5	1,484	9,682,212	6,516.5	1,550	10,099,758
Subtotal: I&P Urban	139.1	9,451	1,314,634	146.6	9,708	1,423,239
Secondary	4,707.2	240	1,141,584	4,715.6	250	1,205,959
Urban	346.7	4,980	1,728,610	351.1	5,230	1,837,163
Subtotal: Rural	11,231.7	4,610	10,823,796	11,232.1	1,007	11,305,717
Subtotal: Urban	485.8	6,264	3,043,244	297.7	6,551	3,260,402
Total, All Systems:	11,717.5	1,183	13,867,040	11,729.8	1,242	14,566,119

SOURCE: Montana Dept. of Highways, Planning & Statistics Bureau, Traffic by Sections, August 1984.

TABLE IX - 9

FEDERAL AID PRIMARY SYSTEM
DEFICIENT MILEAGE IN MONTANA *

Year	Mileage	Rural	Urban	Total	Deficient
1965	4,712.4	1,761.2	37.8	1,799.0	38.2
1966	4,927.7	1,708.7	53.4	1,762.1	35.8
1967	4,949.7	1,722.2	52.4	1,774.6	35.9
1968	4,951.2	1,915.1	54.3	1,969.4	39.8
1969	5,010.5	1,894.6	50.2	1,944.8	38.8
1970	5,010.5	1,927.2	48.5	1,975.7	39.4
1971	5,179.8	1,992.4	48.6	2,041.0	39.4
1972	5,211.6	2,034.7	47.0	2,081.7	39.9
1973	5,216.1	2,068.6	55.0	2,123.6	40.7
1974	5,039.6	1,911.3	34.5	1,945.8	38.6
1975	5,039.6	1,898.6	33.7	1,932.0	38.3
1976	5,452.3	2,009.8	32.4	2,042.4	37.5
1977	5,453.5	2,024.3	31.4	2,055.7	37.7
1978	5,452.0	2,080.1	30.7	2,110.8	38.7
1979	5,451.4	2,082.5	29.8	2,112.3	38.7
1980	5,466.1	2,095.2	29.0	2,124.2	38.8
1981	5,471.9	2,129.3	28.7	2,158.0	39.4

NOTE: The Department of Highways' sufficiency ratings indicate how well a particular section of road compares to the latest design standards. Roads are evaluated on the basis of structural adequacy, safety, and hourly service volume. A more complete explanation of the sufficiency ratings standards is contained in the department's Montana Primary Highway Sufficiency Ratings.

SOURCE: Montana Dept. of Highways, Planning & Research Bureau, Montana Primary Highway Sufficiency Ratings, years indicated.

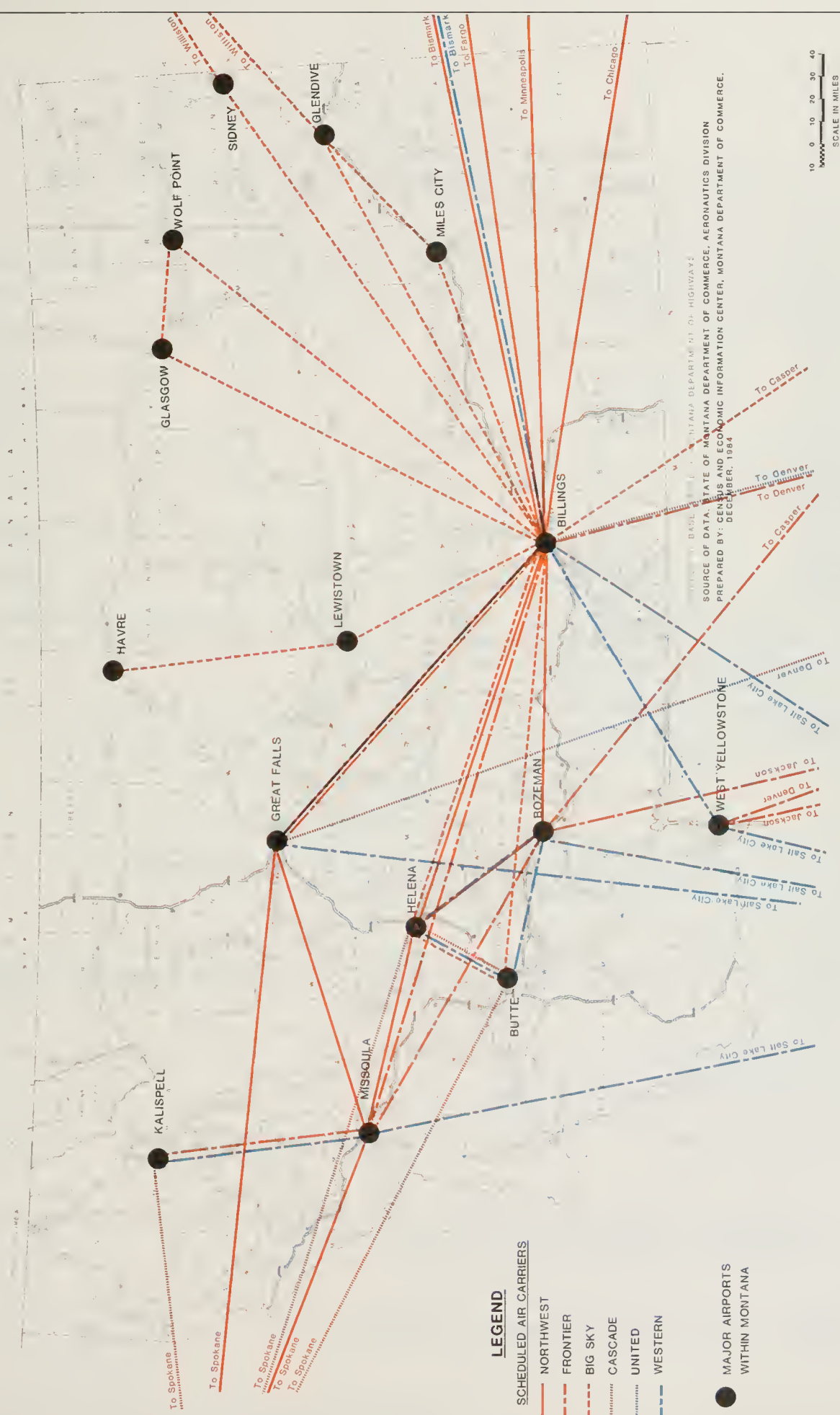
TABLE IX - 10

MILES OF RURAL HIGHWAY IN MONTANA BY ADJUSTED SUFFICIENCY RATINGS*
(in 10% increments)

Percent Sufficient	1966	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
0 - 10% Miles	3.4	5.4	12.4	12.1	12.3	15.2	15.2	2.2	0.2	0.2	0.2	0.2	0.2
Percent	0.1	0.1	0.3	0.2	0.2	0.3	0.3						
11 - 20% Miles	20.5	25.4	34.7	18.3	21.8	14.0	11.4	14.2	22.8	23.4	47.6	26.8	31.6
Percent	0.4	0.5	0.7	0.4	0.4	0.3	0.2	0.3	0.4	0.4	0.9	0.5	0.6
21 - 39% Miles	38.5	121.5	85.6	78.4	83.7	66.7	71.8	76.9	100.0	104.8	76.5	116.2	120.3
Percent	0.8	2.5	1.7	1.6	1.7	1.4	1.5	1.5	1.9	2.0	1.5	2.2	2.3
31 - 40% Miles	121.6	388.3	396.5	241.1	291.9	262.3	260.2	293.5	303.2	331.2	339.7	329.9	305.5
Percent	2.6	8.0	8.0	4.8	5.9	5.4	5.4	5.6	5.8	6.3	6.5	6.2	5.8
41 - 50% Miles	800.5	911.7	907.0	777.4	948.7	791.8	813.1	853.0	874.4	797.1	804.8	870.2	869.6
Percent	17.0	19.0	18.3	15.6	19.0	16.3	16.7	16.2	16.6	15.1	15.3	16.5	16.5
51 - 60% Miles	1338.7	1240.3	1176.0	1318.5	1301.7	1153.3	1135.0	1260.4	1139.6	1312.3	1257.9	1324.0	1333.0
Percent	28.5	26.0	23.8	26.4	26.1	23.7	23.3	23.9	21.6	24.9	23.9	25.1	25.2
61 - 70% Miles	1721.9	636.7	734.7	933.5	1075.2	962.8	904.3	860.5	1010.3	1060.4	1054.3	1014.2	951.5
Percent	15.3	13.3	14.8	18.7	21.6	19.8	18.6	16.3	19.2	20.1	20.0	19.2	18.0
71 - 80% Miles	596.3	714.1	774.5	773.5	659.7	837.9	874.9	1003.0	874.9	852.3	883.8	879.3	948.2
Percent	12.7	15.0	15.6	15.5	13.2	17.2	18.0	19.0	16.6	16.2	16.8	16.7	17.9
81 - 90% Miles	643.6	486.6	590.4	515.2	377.4	552.7	563.4	605.8	672.0	620.3	595.6	522.0	546.4
Percent	13.7	10.2	12.0	10.3	7.6	11.4	11.6	11.5	12.8	11.8	11.3	9.9	10.3
91 - 100% Miles	419.4	257.2	239.6	319.7	215.7	204.9	211.8	295.9	268.2	163.9	205.7	198.1	178.2
Percent	8.9	5.4	4.8	6.4	4.3	4.2	4.4	5.6	5.1	3.1	3.9	3.8	3.4
Total% Miles	4,704.4	4,787.2	4,951.4	4,988.1	4,988.6	4,862.0	4,861.7	5,265.7	5,266.4	5,266.4	5,266.4	5,281.3	5,284.8
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: The Department of Highways' sufficiency ratings indicate how well a particular stretch of road compares to the latest design standards. Roads are evaluated on the basis of structural adequacy, safety, and hourly service volume. A more complete explanation of the sufficiency ratings standards is contained in the department's Montana Primary Highway Sufficiency Ratings.

SOURCE: Montana Dept. of Highways, Planning & Research Bureau, Montana Primary Highway Sufficiency Ratings.



U.S. BUREAU OF TRANSPORTATION, AERONAUTICS DIVISION
 SOURCE OF DATA: STATE OF MONTANA DEPARTMENT OF COMMERCE, AERONAUTICS DIVISION
 PREPARED BY: GENESIS AND ECONOMIC INFORMATION CENTER, MONTANA DEPARTMENT OF COMMERCE
 DECEMBER, 1964

SCHEDULED AIR CARRIER SERVICE IN MONTANA

FIGURE IX-6

TABLE IX - 11

GAS UTILITY INDUSTRY MILES OF PIPELINE & MAIN
BY STATE, 1960 - 1982*

Year	Montana	Idaho	Wyoming	United States
1960	5,120	1,490	3,400	630,950
1965	5,970	2,770	4,610	767,520
1970	6,324	3,226	5,920	913,267
1975	7,435	3,785	6,396	979,263
1980**	8,822	4,177	8,634	1,051,774
1981**	8,538	4,435	9,151	1,069,864
1982	8,699	4,464	9,650	1,083,162

* Includes field, gathering, underground storage, transmission & distribution mains, but excludes service pipe. Data not adjusted to common diameter equivalent. Mileage shows as of end of year.
 ** revised

SOURCE: American Gas Association, Gas Facts, 1982.

TABLE IX - 12

GAS UTILITY INDUSTRY MILES OF PIPELINE & MAIN
BY TYPE & STATE, 1982*

Type	Montana	Idaho	Wyoming	United States
Total	8,699	4,464	9,650	1,083,162
Field & Gathering	2,380	0	3,167	90,501
Transmission Pipeline**	3,089	1,525	3,556	271,732
Distribution Main	3,230	2,939	2,927	720,929

* Excludes 417,592 miles of service pipe. Data not adjusted to common diameter equivalent. Mileage shown as of end of year.
 ** Includes 5,515 miles of underground storage pipe.

SOURCE: American Gas Association, Gas Facts, 1982.

TABLE IX - 13

GAS UTILITY INDUSTRY MILES OF PIPELINE & MAIN INSTALLED DURING 1982
BY TYPE, STATE, & TYPE OF PIPE*

Type	Montana	Idaho	Wyoming	United States
Total**	164	33	693	17,807
Field & Gathering:				
Steel	104	0	464	3,189
Transmission Pipeline:				
Steel***	2	0	149	2,888
Distribution Main:				
Total	58	33	80	11,730
Steel	5	1	41	4,081
Plastic****	53	32	39	7,514
Other	0	0	0	135

* Excludes service pipe. Data not adjusted to common diameter equivalent.

** Does not include 66 miles of plastic & other pipe classified as field & gathering & transmission pipe.

*** Includes 75 miles of underground storage pipe.

**** Includes fiberglass.

SOURCE: American Gas Association, Gas Facts, 1982.

CHAPTER X
COMMUNICATIONS

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TABLE X - 1
NEWSPAPERS IN MONTANA

Year	Morning Papers	Evening Papers	Total Daily Papers	Sunday (weekend) Papers
1960	4	14	18	10
1970	4	10	14	9
1971	(NA)	(NA)	(NA)	(NA)
1972	4	9	13	8
1973	4	9	13	8
1974	4	7	11	7
1975	(NA)	(NA)	(NA)	(NA)
1976	4	7	11	7
1977	4	7	11	7
1978	4	7	11	7
1979	4	7	11	8
1980	5	6	11	8
1981	5	6	11	8
1982	5	6	11	8
1983	5	6	11	9

SOURCE: Editor & Publisher Co., Inc., Editor & Publisher International Yearbook, years indicated.

TABLE X - 2
NEWSPAPER CIRCULATION IN MONTANA

Year	Morning Circ.	Evening Circ.	Total Daily Circ.	Sunday (weekend) Circ.
1960	100,060	71,828	171,888	153,864
1970	133,421	55,620	189,041	184,414
1971	(NA)	(NA)	(NA)	(NA)
1972	139,002	54,826	193,828	189,290
1973	140,154	56,263	196,417	191,728
1974	148,919	43,954	192,873	186,825
1975	(NA)	(NA)	(NA)	(NA)
1976	146,100	44,546	190,646	185,703
1977	149,612	45,433	195,045	190,553
1978	149,353	46,862	196,215	192,994
1979	148,636	47,659	196,295	197,102
1980	151,907	45,038	196,945	198,209
1981	153,782	46,938	200,720	201,946
1982	152,764	47,746	200,510	201,905
1983	152,205	49,362	201,531	206,282

SOURCE: Editor & Publisher Co., Inc., Editor & Publisher International Yearbook, years indicated.

TELEPHONE DEVELOPMENT FOR MONTANA & UNITED STATES

Yr.	Number of Phones		Residential Phones		Business Phones		Phones/100 Population		Percent Households w/ Phone Service	
	Montana	U.S.	Montana	U.S.	Montana	U.S.	Montana	U.S.	Montana	U.S.
1960	251,900	74,341,100	182,000	53,562,100	69,900	20,779,000	37.3	41.5	(NA)	(NA)
1970	357,000	120,154,800	259,800	86,850,000	97,200	33,304,800	51.4	58.6	89	92
1971	376,100	125,140,800	273,300	90,695,900	102,800	34,444,900	52.8	60.4	89	93
1972	398,800	131,602,500	289,200	95,613,000	109,600	35,989,500	55.2	62.9	89	92
1973	423,904	138,288,389	306,807	100,853,505	117,097	37,434,884	58.6	65.6	90	94
1974	450,240	143,971,452	326,058	105,222,939	124,182	38,748,513	60.9	67.8	90	94
1975	478,227	149,007,803	347,094	109,510,153	131,133	39,497,650	63.5	69.6	91	94
1976	507,712	155,173,288	372,073	114,490,877	135,639	40,682,411	67.1	72.0	93	95
1977	544,655	162,072,146	400,146	119,752,597	144,509	42,319,549	71.3	74.6	95	96
1978	575,509	169,026,948	422,148	124,742,739	153,361	44,284,209	72.4	77.2	93	97
1979	604,030	175,535,112	440,220	129,583,132	163,810	45,951,980	76.4	79.4	95	98
1980	623,211	180,424,023	455,912	133,210,275	167,299	47,213,748	78.4	79.0	96	96
1981	630,733	181,891,596	461,943	134,111,520	168,790	47,780,076	78.4	78.9	95	96

SOURCE: Federal Communications Commission, Statistics of Communications Common Carriers, years indicated.

TABLE X - 4
BROADCASTING STATIONS IN MONTANA

Year	AM	FM	TV
1960	35	0	9
1970	(NA)	(NA)	(NA)
1971	45	8	12
1972	46	8	12
1973	(NA)	(NA)	(NA)
1974	(NA)	(NA)	(NA)
1975	(NA)	(NA)	(NA)
1976	45	24	10
1977	(NA)	(NA)	(NA)
1978	43	29	12
1979	(NA)	(NA)	(NA)
1980	49	37	12
1981	46	43	13
1982	(NA)	(NA)	(NA)
1983	49	42	13
1984	48	47	14

NA - not available

SOURCE: Montana Broadcasters' Association, Broadcasters' Association Directory, years indicated.

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CONSTRUCTION

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TABLE XI -- 1

MONTHLY SUMMARY OF BUILDING PERMITS
FOR MAJOR CITIES IN MONTANA*

Date	New Construction		Remodel & Additions		Total Construction				
	Res.**	Comm.	Indus.	Res.**	Comm.	Indus.			
07/83	249	21	1	154	57	0	403	78	1
08/83	211	33	1	117	48	1	328	81	2
09/83	186	16	3	157	80	0	343	96	3
10/83	206	29	4	110	83	3	316	112	7
11/83	148	23	2	107	57	0	255	80	2
12/83	52	7	0	35	51	1	87	58	1
01/84	83	9	0	58	53	1	141	62	1
02/84	103	15	0	58	69	0	161	84	0
03/84	186	15	0	81	56	1	267	71	1
04/84	241	20	0	105	69	7	346	89	7
05/84	214	20	0	130	58	1	344	78	1
06/84	197	23	8	122	43	5	319	66	13

* Includes Billings, Bozeman, Butte, Great Falls, Helena, Kalispell, and Missoula.

** Includes residential, garage, and carport.

SOURCE: National Association of Home Builders of the United States, Montana Builder, dates indicated.

TABLE XI - 2

HOUSING PERMITS, WESTERN STATES

State	Annualized 6-month Average		Change, 1984/1983	
	1983	1984	Numerical	Percent
Alaska	11,280	7,957	-3,323	-29.5
Arizona	67,328	86,346	19,018	28.2
California	154,558	227,568	73,010	47.2
Colorado	46,534	47,642	1,108	2.4
Hawaii	4,156	4,992	836	20.1
Idaho	5,294	5,810	516	9.7
Montana	5,728	5,282	-446	-7.8
Nevada	20,102	17,524	-2,578	-12.8
New Mexico	11,492	14,090	2,598	22.6
Oregon	11,062	13,736	2,674	24.2
Utah	13,250	16,148	2,898	21.9
Washington	29,102	32,426	3,324	11.4
Wyoming	3,542	3,068	-474	-13.4
West	383,428	482,590	99,162	25.9
United States, excluding West	1,167,172	1,259,810	92,638	7.9
United States	1,550,600	1,742,400	191,800	12.4

SOURCE: First Interstate Bank, Economic Performance, 13 Western States, 84:2, October 1984.

NONRESIDENTIAL CONSTRUCTION, WESTERN STATES
(dollar amounts in millions)

State	Annualized 6-month Average		Change, 1984/1983		
	1983	1984	Numerical	Rank	Percent
Alaska	\$ 353.8	\$ 377.2	\$ 23.4	7	6.6
Arizona	462.0	829.5	367.5	2	79.5
California	3,759.9	4,782.7	1,022.8	1	27.2
Colorado	797.5	854.0	56.5	4	7.1
Hawaii	101.7	144.6	42.9	5	42.2
Idaho	75.7	117.5	41.8	6	55.2
Montana	46.0	136.4	90.4	3	196.5
Nevada	202.0	146.0	-56.0	12	-27.7
New Mexico	350.4	264.8	-85.6	13	-24.4
Oregon	147.5	167.2	19.7	8	13.4
Utah	242.6	256.8	14.2	10	5.9
Washington	613.4	629.1	15.7	9	2.6
Wyoming	92.3	39.6	-52.7	11	-57.1
West	7,244.8	8,745.4	1,500.6		20.7
United States, excluding West	22,500.2	26,015.6	3,515.4		15.6
United States	29,745.0	34,761.0	5,016.0		16.9

SOURCE: First Interstate Bank, Economic Performance, 13 Western States, 84:2, October 1984.

CHAPTER XII

HEALTH

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TABLE XII - 1

PERSONAL HEALTH CARE EXPENDITURES: 1978
(million dollars, except as indicated)

	Total *	Hospital Care	Physicians' Services	Nursing Home Care	Per Capita Expenditures (dollars)
U.S.	\$165,518	\$74,849	\$35,801	\$15,209	\$745
Montana	506	200	115	46	645
Idaho	505	179	123	53	554
Wyoming	237	97	50	13	551

* includes other objects of expenditures not shown separately.

SOURCE: U.S. Health Care Financing Administration, Health Care Financing Review, December 1982.

TABLE XII - 2

SELECTED HEALTH FACILITIES & PERSONNEL IN MONTANA

Item	1978	1979	1980	1981	1982	1983
<u>Facilities:</u>						
Hospitals	60	60	(NA)	61	60	60
Hospital Beds	3,367	3,425	(NA)	3,429	3,289	3,381
Long-Term Care	92	93	(NA)	94	93	90
Long-Term Care Beds	5,782	5,891	(NA)	5,912	5,837	5,836
<u>Personnel:</u>						
Physicians	1,189	1,121	1,050	1,147	1,054	1,201
Dentists	(NA)	(NA)	(NA)	454	482	525
RN's	7,240	7,337	7,684	8,125	8,685	8,292
LPN's	2,953	2,866	2,853	3,211	3,323	3,205

SOURCES: Montana Dept. of Health & Environmental Sciences, Montana Health Data Book and Licensed Physicians in Montana, Montana Dept. of Health & Environmental Sciences, Dental and Health Education Bureau; Board of Nursing.

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TABLE XIII - 1

MONTANA PUBLIC SCHOOL ENROLLMENT: ELEMENTARY SCHOOL
(fall enrollment)

Year	Pre-K	K	1	2	3	4	5	6	7	8	Ungraded	Special Education	Total
1969	(NA)	3,232	14,638	14,788	14,554	14,633	14,695	14,359	7,803	7,516	458	1,151	107,820
1970	98	3,235	13,812	14,115	14,750	14,676	14,628	14,701	8,031	7,755	726	1,259	107,336
1971	332	3,344	13,266	13,527	14,195	14,785	14,651	14,611	7,859	7,729	202	1,210	105,711
1972	14	3,288	12,446	12,753	13,409	14,181	14,926	14,754	7,711	7,655	137	1,388	102,662
1973	89	4,073	12,134	12,006	12,738	13,415	14,238	14,967	7,520	7,572	85	1,608	100,445
1974	54	6,894	12,112	11,778	11,933	12,756	13,511	14,323	8,071	7,967	169	1,396	100,964
1975	101	9,864	12,469	11,611	11,639	11,873	12,644	13,512	7,849	8,113	29	1,366	101,076
1976	85	10,904	12,939	11,951	11,489	11,683	11,926	12,764	7,544	7,891	7	1,115	100,298
1977	117	10,114	13,499	12,510	11,991	11,643	11,740	12,154	7,253	7,775	15	1,238	100,049
1978	213	10,070	12,181	12,825	12,367	11,901	11,533	11,715	7,037	7,261	32	1,367	98,502
1979	160	9,951	11,754	11,615	12,619	12,238	11,840	11,437	6,945	7,138	3	(NA)	(NA)
1980	121	10,640	11,607	11,320	11,436	12,656	12,331	11,921	6,971	7,088	1	(NA)	(NA)
1981	133	10,930	12,029	11,122	11,170	11,335	12,532	12,193	7,174	6,823	0	1,242	96,683
1982	135	11,332	12,340	11,510	11,066	10,955	11,336	12,480	8,236	8,019	52	1,301	98,792
1983	108	11,887	12,865	11,872	11,442	11,037	11,083	11,473	8,636	8,348	65	1,397	100,213

SOURCE: Montana Office of Public Instruction, Montana Public School Enrollment Data, years indicated.

TABLE XIII - 2

MONTANA PUBLIC SCHOOL ENROLLMENT: JUNIOR HIGH SCHOOL
(fall enrollment)

Year	7	8	9	Ungraded	Special Education	Total
1969	6,748	6,526	6,822	1	172	20,269
1970	6,650	6,839	7,009	20	163	20,681
1971	6,917	6,780	6,863	0	189	20,749
1972	7,175	7,157	7,449	29	245	22,055
1973	7,352	7,437	7,665	13	260	22,727
1974	7,017	6,980	7,166	7	266	21,436
1975	6,547	6,863	6,684	39	198	20,331
1976	6,096	6,405	6,775	9	187	19,472
1977	5,620	5,882	6,165	0	292	17,959
1978	5,207	5,495	5,612	1	258	16,573
1979	4,914	4,953	5,328	0	11	15,206
1980	4,533	4,805	4,775	0	33	14,147
1981	4,787	4,552	5,635	0	213	14,187
1982	4,047	3,827	3,880	0	203	11,957
1983	3,963	3,837	3,989	0	258	12,044

SOURCE: Montana Office of Public Instruction, Montana Public School Enrollment Data, years indicated.

TABLE XIII - 3

MONTANA PUBLIC SCHOOL ENROLLMENT: HIGH SCHOOL
(fall enrollment)

Year	9	10	11	12	Ungraded	Special Education	Post Grad.	Total	Grads
1969	7,233	13,546	12,806	11,892	6	195	1,090	46,768	(NA)
1970	7,282	13,819	13,018	12,205	39	250	2,082	48,695	11,520
1971	7,425	14,105	13,183	12,325	13	238	8	47,297	10,550
1972	7,240	14,452	13,284	12,296	31	324	6	47,633	10,462
1973	7,923	14,530	13,697	12,192	100	429	2	48,873	10,532
1974	8,010	14,813	13,649	12,730	160	395	1	49,758	12,135
1975	8,212	14,814	13,981	12,804	95	474	1	50,381	12,293
1976	8,266	14,710	14,068	13,077	176	480	5	50,782	12,136
1977	8,219	14,813	13,931	13,010	179	570	2	50,724	12,328
1978	7,969	14,001	13,796	12,795	175	515	2	49,253	12,184
1979	7,534	13,348	13,186	12,993	54	26	0	47,141	12,068
1980	7,276	12,510	12,520	12,326	0	106	0	44,738	12,135
1981	6,986	11,693	11,761	11,728	0	397	0	42,565	11,634
1982	7,429	11,336	11,131	11,231	0	459	0	41,586	11,162
1983	7,933	11,108	10,987	10,889	0	472	0	41,389	10,689

SOURCE: Montana Office of Public Instruction, Montana Public School Enrollment Data, years indicated.

TABLE XIII - 4

MONTANA YEARS OF SCHOOL COMPLETED, PERSONS 18+ AND 25+:
 1970 AND 1980
 (data based on sample)

Item	1970	1980
Persons 18+ Yrs:		
Total	440,583	554,887
% Completing 11 Yrs or Less	38.8	24.6
% Completing 12 Yrs or More	61.2	75.4
% Completing 16 Yrs or More	10.1	15.2
Persons 25+ Yrs:		
Total	364,508	450,862
% Completing Less than 8 Yrs	8.9	(NA)
% Completing 11 Yrs or Less	40.8	25.6
% Completing 12 Yrs or More	59.2	74.4
% Completing 16 Yrs or More	11.0	17.5
Median School Years Completed:	12.3	12.6

SOURCE: U.S. Bureau of the Census, Census of Population: 1970 & 1980, Computer Tapes.

TABLE XIII - 5

MONTANA SCHOOL ENROLLMENT, YEARS OF SCHOOL COMPLETED, & LABOR FORCE STATUS
 PERSONS 16 - 19 YRS: 1980

Group	1980
Total	60,644
Persons in Armed Forces	574
Civilian Persons:	
Enrolled, as % of Persons 16 - 19 Yrs	71.9
Not Enrolled, High School Graduates:	
Employed	6,602
Not Employed	1,425
Not in Labor Force	1,929
Not Enrolled, Not High School Graduates:	
Employed	2,661
Not Employed	1,157
Not in Labor Force	2,690

SOURCE: U.S. Bureau of the Census, Census of Population: 1980, Computer Tape.

TABLE XIII - 6

OFFICIAL ENROLLMENT ESTIMATES
MONTANA UNIVERSITY SYSTEM:
FY 1985-86 & 1986-87

Unit	Official Head Count Estimate	FYFTE Students	Restricted FYFTE Students	Net Budgetary FYFTE
<u>Fiscal Year 1985-86:</u>				
University of Montana	9,450	8,683	91	8,592
Montana State University	11,350	10,777	33	10,744
Montana Tech	2,482	2,268	0	2,268
Eastern Montana College	4,675	3,836	38	3,798
Northern Montana College	1,950	1,884	0	1,884
Western Montana College	975	909	0	909
Total	30,882	28,357	162	28,194
<u>Fiscal Year 1986-87:</u>				
University of Montana	9,400	8,637	91	8,546
Montana State University	11,225	10,658	33	10,625
Montana Tech	2,473	2,260	0	2,260
Eastern Montana College	4,800	3,938	38	3,900
Northern Montana College	2,000	1,932	0	1,932
Western Montana College	1,000	933	0	933
Total	30,898	28,358	162	28,196

FYFTE - Fiscal Year Full-Time Equivalent

SOURCE: The Board of Regents, Montana University System, June 13, 1984.

TABLE XIII - 7

TOTAL ENROLLMENT IN HIGHER EDUCATION INSTITUTIONS IN MONTANA
(head counts)

Item	Montana University System	Independent Colleges	Community Colleges	Total
Fall Enrollment: *				
1982	29,371	3,026	3,533	35,930
1983	30,348	3,204	3,769	37,321
1984 **	29,289	2,023	3,584	35,763
1982-83 Change:				
Number	+977	+178	+236	+1,391
Percent	+3.3	+5.9	+6.7	+3.9
1983-84 Change:				
Number **	-1,059	-1,181	-185	-1,558
Percent	-3.5	-36.9	-4.9	-4.2

* These figures exclude students enrolled in non-credit, community service courses. There are additional students enrolled in the tribally-controlled community colleges.

** These figures do not include enrollment in the College of Great Falls, which was unavailable at the date of publication.

SOURCE: Montana Office of the Commissioner of Higher Education, Enrollment in Higher Education Institutions in the State of Montana, Fall 1983, 1984.

COMPARATIVE MONTANA INSTITUTIONAL ENROLLMENTS: FALL 1982 & FALL 1983
(head counts)

Institution	Location	Fall Enrollment		1982-83 Change		1983-84 Change	
		1982	1983	Number	Percent	Number	Percent
<u>Montana University System:</u>							
University of Montana	Missoula	9,101	9,371	+270	+3.0	-150	-1.7
Montana State University	Bozeman	11,233	11,447	+214	+1.9	-412	-3.6
Montana Tech	Butte	2,189	2,306	+117	+5.3	-178	-7.7
Eastern Montana College	Billings	4,177	4,424	+247	+5.9	-216	-4.9
Western Montana College	Dillon	984	941	-43	-4.4	-47	-5.0
Northern Montana College	Havre	1,687	1,859	+172	+10.2	-48	-2.6
<u>Community Colleges:</u> *							
Miles Community College	Miles City	1,035	1,146	+111	+10.7	-279	-24.3
Dawson Community College	Glendive	690	749	+59	+8.6	+12	+1.6
Flathead Valley Comm. College	Kalispell	1,808	1,874	+66	+3.7	+82	+4.4
<u>Independent Colleges:</u>							
Carroll College	Helena	1,330	1,533	+203	+15.3	-13	-0.8
College of Great Falls	Great Falls	1,272	1,192	-80	-6.3	(NA)	(NA)
Rocky Mountain College	Billings	388	479	+91	+23.5	+24	+5.0
Big Sky Bible College	Lewistown	36	0	-36	-100.0	0	0

* These figures exclude students enrolled in non-credit community service courses and continuing education courses. Additional students are enrolled at the tribally-controlled community colleges which are not currently participating in the survey.

SOURCE: Office of the Commissioner of Higher Education, Enrollment in Higher Education Institutions: Fall 1983 and unpublished data.

Table XIII-9

*Location & Enrollment of Montana's Post-Secondary Vocational Technical Education Sites
(FTE's)**



Institution	Actual 1983-84	Projected 1984-85	Projected 1985-86	Projected 1986-87
<u>Administered by the Office of Public Instruction:</u>				
1. Billings Vo-Tech Center	485	521	530	530
2. Butte Vo-Tech Center	347	390	430	430
3. Great Falls Vo-Tech Center	449	484	525	525
4. Helena Vo-Tech Center	663	700	700	700
5. Missoula Vo-Tech Center	667	600	620	620
<u>Administered by the Board of Regents:</u>				
6. Flathead Valley Comm. College, Kalispell	802	827	930	1,000
7. Miles Comm. College, Miles City	621	540	596	628
8. Dawson Comm. College, Glendive	390	400	410	420
9. Northern Montana College, Havre	(NA)	(NA)	(NA)	(NA)
<u>Administered Under Tribal Councils:</u>				
10. Blackfeet Comm. College, Browning	178	190	190	(NA)
11. Dull Knife Comm. College, Lame Deer	207	215	(NA)	(NA)
12. Little Big Horn Comm. College, Crow Agency	292	**141	(NA)	(NA)
13. Fort Peck Comm. College, Poplar	190	***82	(NA)	(NA)
14. Salish/Kootenai College, Pablo	788	930	(NA)	(NA)

- * One full-time equivalent = 333.3 contact-hours of instruction per quarter.
 ** Represents head counts for fall quarter, not full-time equivalents.
 *** Actual full-time equivalents for fall quarter only.

SOURCES: Map from Montana Office of Public Instruction, Executive Summary: 1985 Montana State Plan for the Administration of Vocational Education.
 Statistics from Montana Office of Public Instruction, Montana Commissioners of Higher Education, and Tribal Colleges listed.

TABLE XIII - 10

YEARS OF SCHOOL COMPLETED: 1980
(in thousands, except percent)

	Montana	Idaho	Wyo.	Colo.	N. Mex.	Ariz.	Utah	Nev.	Mtn. Region	U.S.
Population 25+ Yrs	451	514	255	1,664	707	1,559	705	480	6,335	132,836
Yrs of School Completed:										
Elem. (8 Yrs or less)	64	65	25	176	125	234	50	46	784	24,258
High School (1-3 Yrs)	51	70	31	180	95	197	91	72	787	20,278
High School (4 Yrs)	171	188	102	575	241	535	253	194	2,260	45,947
College (1-3 Yrs)	86	110	53	351	121	321	170	99	1,312	20,795
College (4+ Yrs)	79	81	44	382	124	271	140	69	1,191	21,558
% of Population Completing:										
Elem. (8 Yrs or less)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
High School (1-3 Yrs)	85.7	87.4	90.0	89.4	82.3	85.0	93.0	90.4	87.6	81.7
High School (4 Yrs)	74.4	73.7	77.9	78.6	68.9	72.4	80.0	75.5	75.2	66.5
College (1-3 Yrs)	36.5	37.2	37.9	44.1	34.7	38.0	44.1	35.1	39.5	31.9
College (4+ Yrs)	17.5	15.8	17.2	23.0	17.5	17.4	19.9	14.4	18.8	16.2

SOURCE: U.S. Bureau of the Census, 1980 Census, General Social and Economic Characteristics, vols. for each state and the U.S.

MONTANA PUBLIC LIBRARY STATISTICS
(as of June 30)

Item	1976	1977	1978	1979	1980	1981	1982
Titles added during year	82,426	75,757	75,738	73,455	79,695	82,129	90,161
Total titles in collection	1,319,635	1,418,931	1,486,261	1,665,011	1,635,466	1,646,144	1,798,471
Total volumes in libraries	1,777,714	1,887,107	1,984,625	2,149,027	2,136,108	2,166,145	2,255,667
Local circulation	3,754,867	3,606,352	3,981,513	3,723,378	3,476,014	3,690,791	3,787,651
Bookmobile circulation	360,565	238,932	229,018	203,584	288,684	319,312	202,770
Periodicals currently received	4,650	4,678	4,731	5,229	4,764	4,738	4,988
Hours per week	2,451.5	2,570.0	2,510.0	2,532.0	2,479.0	2,411.5	2,413.5
Number of staff*	210.1	222.4	240.8	233.0	249.5	243.6	224.0
Number of county libraries	46	49	49	51	51	49	(NA)
Volumes per capita	2.6	2.7	2.9	3.1	3.1	2.7	(NA)
Circulation per capita	5.9	5.5	5.7	5.7	5.4	5.1	(NA)

* Full-time equivalent based on 40-hour week.

** Includes counties which have contracted for service with a city system.

SOURCE: Montana State Library, Montana Library Directory with Statistics of Montana Public Libraries, years indicated.

CHAPTER XIV

INFRASTRUCTURE

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TABLE XIV - 1

MONTANA INFRASTRUCTURE INFORMATION AVAILABLE FROM THE FOLLOWING RESOURCE
PEOPLE:

Area	Name	Affiliation	Phone No.
Airports	Dave Kneedler	MT Dept. of Commerce (Aeronautics)	444-2506
	Vern Moody		
	Jerry Burrows		
Bridges	Don Fallang	MT Dept. of Highways	444-6110
Streets	Bill Gosnell		444-6201
Roads			
Buses	Pat Saindon	MT Dept. of Commerce	444-4267
Sewers	Joe Steiner	MT Dept. of Health & Env. Sci. (Water Quality Bureau)	444-2406
	Steve Pilcher		
Water	Dan Fraser	MT Dept. of Health & Env. Sci.	444-2406
	Steve Pilcher	(Water Quality Bureau)	
	Ray Wadsworth	Rural Water Users Assn. (GF)	454-1151
	Rodger Foster	Morrison-Maierle, Inc.	442-3050
	Gordon Hoven	MT League of Cities & Towns	442-8768
Hazardous Waste	Roger Thorvilson	MT Dept. of Health & Env. Sci. (Solid Waste Bureau)	444-2821
	Duane Robertson		
Solid Waste	Duane Robertson	MT Dept. of Health & Env. Sci. (Solid Waste Bureau)	444-2821
Jails	Steve Nelson	MT Dept. of Justice	444-3604
	Mike Lavin	MT Board of Crime Control	444-3604
Rails	John Craig	MT Dept. of Commerce	444-3445
Radio/ Communications	John Neraas	MT Dept. of Administration	444-2586
Other Facilities	Alec Hansen	MT League of Cities & Towns	444-8768

TABLE XIV - 1
(cont.)

Area	Name	Affiliation	Phone No.
Public Information	Bill Olson	MT Contractors Association	442-4162
Finance	Administrator	Community Development Div. (MT Dept. of Commerce)	444-3757
	Mike Young	City of Missoula	721-4700

NOTE: All of the above were involved in studies of Montana's infrastructure and can provide information on the areas indicated.

All information was compiled from the above sources by Dot Walther, Intern, Dept. of Commerce, Community Development Division.

Some of the above contact persons had accurate databases, some used projections or estimates.

SOURCE: Community Development Division, Montana Department of Commerce.

CHAPTER XV

HOUSING

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TABLE XV - 1

PERCENT OWNER-OCCUPIED HOUSING UNITS: 1980

Area	Percent
United States	64.4
Montana	68.6
Idaho	72.0
Wyoming	69.2

SOURCE: U.S. Bureau of the Census, State and Metropolitan Data Area Book, 1982, p. 493.

TABLE XV -- 2

CONDITION & ADEQUACY OF HOUSING INDICATORS IN MONTANA,
WITH COMPARISONS: 1980

Item		
Percent of Occupied Housing Units		
Lacking Complete Plumbing, 1980:		
United States		2.2
Montana		2.3
Idaho		1.4
Wyoming		1.6
Percent of Occupied Housing Units with		
More than One Person per Room, 1980:		
United States		4.5
Montana		3.8
Idaho		4.5
Wyoming		4.2
Housing, Median Number of Rooms, 1980:		
United States		5.1
Montana		4.9
Idaho		5.1
Wyoming		5.0
Median Value of Owner-Occupied Units, 1980:		
United States		\$47,300
Montana		\$46,400
Idaho		\$45,900
Wyoming		\$60,400
Median Rent of Renter-Occupied Housing, 1980:		
United States		\$199
Montana		\$165
Idaho		\$172
Wyoming		\$220
Housing Vacancy Rates:		
	<u>Homeowner</u>	<u>Rental</u>
United States	1.8	7.1
Montana	1.9	11.0
Idaho	2.3	11.4
Wyoming	2.2	9.7

SOURCE: U.S. Bureau of the Census, 1980 Census of Housing, Supplementary Reports, and Statistical Abstract of the United States, 1980, p. 762.

TABLE XV - 3

HOUSING UNITS IN MONTANA BY TYPE OF AREA: 1980
(including vacant seasonal & migratory units)

Item	Value
<u>Urban Housing:</u>	
1980 Housing Units	171,389
Percent of Total	52.5
Percent Change:	
1970 - 1980	33.6
1960 - 1970	8.3
<u>Rural Housing:</u>	
1980 Housing Units	157,076
Percent Change:	
1970 - 1980	32.8
1960 - 1970	-7.3
1980 Units in Places of Less than 2,500	37,738

SOURCE: U.S. Bureau of the Census, Census of Housing: 1980, Computer Tape.

TABLE XV - 4

YEAR-ROUND HOUSING UNITS IN MONTANA
OCCUPANCY CHARACTERISTICS: 1980, 1970, 1960

Item	1960	1970	1980
Year-Round Units	220,544	240,304	315,015
Occupied Units	202,240	217,304	283,742
Owner-Occupied as Percent of All Occupied	64.0	65.7	68.6
Vacant, For Sale Only	1,845	1,846	3,739
Homeowner Vacancy Rate	1.4	1.3	1.9
Vacant, For Rent	7,497	8,102	10,997
Rental Vacancy Rate	9.3	9.8	11.0

SOURCE: U.S. Bureau of the Census, Census of Housing: 1980, Computer Tape; 1970, Computer Tape; 1960, V. 1, pt 28.

TABLE XV - 5

YEAR-ROUND HOUSING UNITS IN MONTANA
STRUCTURAL CHARACTERISTICS: 1970 & 1980

Item	1970	1980
Year-Round Units	240,755	315,098
One-Unit Structures	74.1%	66.2%
In Structures w/2 or More Units	18.9%	20.8%
Mobile Homes or Trailers [*]	7.0%	12.9%
Units w/More than 1 Bathroom	20.1%	32.8%
Units w/3 or More Bedrooms	43.1%	47.9%
In Structures Built 1970 - 1980	--	30.7%

* Vacant mobile homes are excluded in 1970; included in 1980 if intended for occupancy where they stand.

SOURCE: U.S. Bureau of the Census, Census of Housing, Computer Tapes, 1970.

TABLE XIII - 6

OCCUPIED HOUSING UNITS IN MONTANA
SELECTED CHARACTERISTICS: 1970 & 1980

Item	1970	1980
Occupied Units	217,304	283,742
Median Number of Rooms	4.7	5.0
Median Number of Persons per Unit	2.6	2.3
Percent Lacking Complete Plumbing	6.6	2.3
Median Value, Specified Owner-Occupied	\$14,000	\$46,500
Median Contract Rent, Specified Renter-Occupied	\$71	\$165

SOURCE: U.S. Bureau of the Census, Census of Housing: Computer Tapes, 1970 & 1980.

TABLE XV - 7

TENURE & OCCUPANCY STATUS OF MONTANA HOUSING
BY PLUMBING & UTILIZATION CHARACTERISTICS: 1970 & 1980

Item	Total Year-Round		Total Occupied		Renter-Occupied	
	1970	1980	1970	1980	1970	1980
Housing Units	240,304	315,015	217,304	283,742	74,530	89,162
w/Complete Plumbing for Exclusive Use	218,558	304,218	202,977	277,178	66,910	85,518
Lacking Complete Plumbing for Exclusive Use	21,746	10,797	14,327	6,564	7,620	3,644
No Plumbing Facilities	8,395	4,638	4,352	2,465	1,661	999
w/More than 1 Person per Room, Lacking Complete Plumbing for Exclusive Use	(X)	(X)	(NA)	1,003	(NA)	423
Tenure by Persons per Room:						
1.00 or Less	(X)	(X)	196,527	272,958	67,061	84,891
1.01 to 1.50	(X)	(X)	15,450	7,830	5,328	2,793
1.51 or More	(X)	(X)	5,327	2,954	2,141	1,478

NA - not available

X - not applicable

SOURCE: U.S. Bureau of the Census, Census of Housing: Computer Tapes, 1970 and 1980.

TABLE XV - 8

TENURE & OCCUPANCY STATUS OF MONTANA HOUSING
BY STRUCTURAL CHARACTERISTICS: 1980 & 1970

Item	Total Year-Round		Total Occupied		Renter-Occupied	
	1970	1980	1970	1980	1970	1980
Total Housing Units	240,755	315,098	217,304	283,742	74,530	89,162
Units in Structure:						
1 Unit	178,394	208,673	161,236	192,477	38,964	37,269
2 Units	14,870	17,213	13,333	15,001	9,442	10,460
3 & 4 Units	11,033	17,291	9,142	13,550	7,942	10,965
5 or More Units	19,523	31,134	16,658	26,280	15,503	23,285
Mobile Homes or Trailers*	16,935	40,787	16,935	36,434	2,679	7,183
Structures by Year Built:						
1979 - March 1980	(X)	13,628	(X)	11,237	(X)	2,405
1975 - 1978	(X)	42,296	(X)	39,043	(X)	9,829
1970 - 1974	(X)	40,921	(X)	38,004	(X)	10,542
1960 - 1969	49,799	46,876	46,215	43,338	11,668	13,213
1950 - 1959	44,772	44,317	42,049	40,110	10,319	11,705
1940 - 1949	26,614	31,498	24,101	27,841	8,952	10,730
1930 or Earlier	119,570	95,562	104,939	84,169	43,591	30,738

(X) - not applicable

* Vacant mobile homes excluded in 1970; included in 1980 if intended for occupancy where they stand.

SOURCE: U.S. Bureau of the Census, Census of Housing: Computer Tapes, 1970 and 1980.

TABLE XV - 9

SPECIFIED OWNER-OCCUPIED NONCONDOMINIUM HOUSING UNITS
BY VALUE: 1980
(with complete plumbing facilities for exclusive use)

Item	Total	Rural Area
Specified Owner-Occupied *	125,919	45,749
Value Less than \$10,000	3,920	2,307
Value \$10,000 - \$14,999	4,718	2,391
Value \$15,000 - \$19,999	5,880	2,744
Value \$20,000 - \$24,999	7,626	3,205
Value \$25,000 - \$29,999	7,648	3,011
Value \$30,000 - \$34,999	9,093	3,224
Value \$35,000 - \$39,999	9,244	2,967
Value \$40,000 - \$49,999	22,517	6,988
Value \$50,000 - \$64,999	28,303	8,543
Value \$65,000 - \$79,999	15,175	5,377
Value \$80,000 - \$99,999	7,187	2,819
Value \$100,000 - \$149,999	3,604	1,650
Value More than \$150,000	1,004	523
Mean Value (dollars)	\$49,131	\$48,092

* One-unit structures on less than 10 acres; excludes mobile homes & trailers, & units with an office on the property.

SOURCE: U.S. Bureau of the Census, Census of Housing: 1980, Computer Tape

TABLE XV - 10

SPECIFIED RENTER-OCCUPIED HOUSING UNITS
BY GROSS MONTHLY RENT: 1980

Item	Total
Specified Renter-Occupied [*]	81,887
Gross Rent: ^{**}	
Less Than \$60	2,250
\$60 - \$119	9,762
\$120 - \$169	15,048
\$170 - \$199	10,525
\$200 - \$249	15,316
\$250 - \$299	10,281
\$300 - \$399	9,349
\$400 or More	2,609
No Cash Rent	6,747
Median Gross Rent (dollars)	\$200

* All renter-occupied units except one-family homes on a property of 10 or more acres.

** Contract rent plus monthly cost of utilities and fuels, if these items are paid for by renter.

SOURCE: U.S. Bureau of the Census, Census of Housing: 1980, Computer Tape

TABLE XV - 11

MORTGAGE STATUS OF MONTANA HOUSING UNITS
& SELECTED MONTHLY OWNER COSTS*: 1980

Item	Total
Specified Owner-Occupied Noncondominium Housing Units**	126,604
<u>With a Mortgage</u>	74,390
Monthly Costs:	
Less Than \$100	634
\$100 to \$149	1,717
\$150 to \$199	5,518
\$200 to \$249	10,446
\$250 to \$299	10,232
\$300 to \$399	17,936
\$400 to \$499	13,853
\$500 to \$599	7,456
\$600 to \$749	4,653
\$750 or More	1,945
Median Monthly Cost (dollars)	\$347
<u>Not Mortgaged</u>	52,214
Monthly Costs:	
Less Than \$50	1,723
\$50 to \$74	6,879
\$75 to \$99	13,199
\$100 to \$124	12,511
\$125 to \$149	8,336
\$150 to \$199	7,064
\$200 to \$249	1,703
\$250 or More	799
Median Monthly Cost (dollars)	\$109

* "Selected Monthly Owner Costs" is the sum of payments for real estate taxes, property insurance, utilities, and regular mortgage payments.

** One-unit structures on less than 10 acres; excludes mobile homes and trailers, and units with a commercial or medical office on the property.

SOURCE: U.S. Bureau of the Census, Census of Housing: 1980, Computer Tape

TABLE XV - 12

OCCUPIED HOUSING UNITS IN MONTANA
BY TYPE OF FUEL USED: 1970 & 1980

Item	1970		1980	
	Total	Percent Distribution	Total	Percent Distribution
All Occupied Housing Units	217,304	100.0	283,742	100.0
House Heating Fuel:				
* Utility Gas	151,104	69.5	172,866	60.9
Bottled, Tank or LP Gas	18,503	8.5	21,055	7.4
Electricity	8,464	3.9	41,423	14.6
Fuel Oil, Kerosene etc.	29,850	13.7	19,144	6.7
Coal or Coke	4,531	2.1	2,811	1.0
Wood	4,113	1.9	25,817	9.1
Other Fuel	720	0.3	543	0.2
No Fuel Used	19	0.0	83	0.0
Water Heating Fuel:				
* Utility Gas	134,503	61.9	158,821	56.0
Bottled, Tank or LP Gas	10,704	4.9	16,786	5.9
Electricity	64,323	29.6	103,590	36.5
Fuel Oil, Kerosene etc.	726	0.3	1,028	0.4
Other Fuel	921	0.4	1,153	0.4
No Fuel Used	6,127	2.8	2,364	0.8
Cooking Fuel:				
* Utility Gas	54,447	25.1	48,658	17.1
Bottled, Tank or LP Gas	14,329	6.6	14,760	5.2
Electricity	142,739	65.7	216,854	76.4
Other Fuel	4,504	2.1	2,543	0.9
No Fuel Used	1,285	0.6	927	0.3

* Utility gas includes "gas from underground pipes serving the neighborhood."

SOURCE: U. S. Bureau of the Census, Census of Housing: Computer Tapes, 1970 & 1980.

Table XV-13

TYPICAL ELECTRIC BILLS FOR RESIDENTIAL SERVICE IN MONTANA 1974-83

(dollars)

As of
January 1
of the
Year

Year	Utility	MONTHLY BILLS				
		100 kWh	250 kWh	500 kWh	750 kWh	1,000 kWh
1974 ¹	Montana Average		\$8.59	\$12.71	\$16.31	\$20.17
	U.S. Average		9.47	14.10	19.14	24.85
1975	Glacier Electric Cooperative, Inc.	\$4.70	7.88	10.75	13.63	16.50
	Marias River Electric Cooperative, Inc.	4.00	7.00	10.00	12.50	15.00
	Montana-Dakota Utilities ²	4.38	8.25	14.50	19.13	23.26
	Montana-Dakota Utilities ³	5.88	9.75	16.00	20.63	24.76
	Montana Power Company	4.95	8.84	12.71	16.59	20.46
	Pacific Power and Light Company	3.50	6.00	8.10 ⁴	10.10 ⁴	12.85 ⁴
	Montana Average		8.60	12.53	16.33	20.13
	U.S. Average		11.49	17.93	24.72	32.29
	Glacier Electric Cooperative, Inc.	4.70	7.88	10.75	13.63	16.50
	Marias River Electric Cooperative, Inc.	4.95	8.84	12.71	16.59	20.46
1976	Montana-Dakota Utilities ²	4.38	8.25	14.50	19.13	23.26
	Montana-Dakota Utilities ³	5.88	9.75	16.00	20.63	24.76
	Montana Power Company	4.95	8.84	12.71	16.59	20.46
	Pacific Power and Light Company	3.50	6.00	8.10 ⁴	10.10 ⁴	12.85 ⁴
	Montana Average		8.60	12.53	16.33	20.13
	U.S. Average		12.06	19.26	26.78	34.85
	Glacier Electric Cooperative, Inc.	4.70	7.88	10.75	13.63	16.50
	Marias River Electric Cooperative, Inc.	4.00	7.00	10.00	12.50	15.00
	Montana-Dakota Utilities ²	4.92	9.61	17.22	23.21	28.70
	Montana-Dakota Utilities ³	6.42	11.11	18.72	24.71	30.20
1977	Montana Power Company	4.95	8.84	12.71	16.59	20.46
	Pacific Power and Light Company	3.02	5.31	9.12 ⁴	12.93 ⁴	16.74 ⁴
	Montana Average		8.66	12.79	16.80	20.77
	U.S. Average		12.85	20.86	29.22	38.15
	Glacier Electric Cooperative, Inc.	4.70	7.88	10.75	13.63	16.50
	Marias River Electric Cooperative, Inc.	4.20	7.35	10.60	13.35	16.10
	Montana-Dakota Utilities ²	8.00	14.00	21.50	29.00	36.50
	Montana-Dakota Utilities ³	9.50	15.50	23.00	30.50	38.00
	Montana Power Company	5.99	10.69	15.39	20.09	24.79
	Pacific Power and Light Company	3.03	5.33	9.17 ⁴	13.00 ⁴	16.83 ⁴
1978	Montana Average		10.56	15.39	20.21	25.03
	U.S. Average		13.47	22.19	31.23	40.98
	Glacier Electric Cooperative, Inc.	4.70	7.88	10.75	13.63	16.50
	Marias River Electric Cooperative, Inc.	4.20	7.35	10.60	13.35	16.10
	Montana-Dakota Utilities ²	8.00	14.00	21.50	29.00	36.50
	Montana-Dakota Utilities ³	9.50	15.50	23.00	30.50	38.00
	Montana Power Company	5.99	10.69	15.39	20.09	24.79
	Pacific Power and Light Company	3.03	5.33	9.17 ⁴	13.00 ⁴	16.83 ⁴
	Montana Average		10.56	15.39	20.21	25.03
	U.S. Average		13.47	22.19	31.23	40.98
1979	Glacier Electric Cooperative, Inc.	4.70	7.88	10.75	13.63	16.50
	Marias River Electric Cooperative, Inc.	4.60	8.35	12.60	16.35	20.10
	Montana-Dakota Utilities ²	8.00	14.00	21.50	29.00	36.50
	Montana-Dakota Utilities ³	9.50	15.50	23.00	30.50	38.00
	Montana Power Company	4.72	8.41	14.58	20.74	26.90
	Pacific Power and Light Company	3.91	6.78	11.56	16.33	21.11
	Average for Rural Electric Cooperatives	NA	11.42	17.23	22.60	27.64
	Montana Average	NA	8.73	14.86	20.98	27.10
	U.S. Average	NA	13.86	23.05	32.72	43.12
	U.S. Average	NA	13.86	23.05	32.72	43.12

Table XV-13 (continued)

As of January 1 of the Year	Utility	MONTHLY BILLS				
		250 kWh	500 kWh	750 kWh	1,000 kWh	2,500 kWh
1980	Montana-Dakota Utilities ²	\$ 13.84	\$ 21.34	\$ 28.84	\$ 36.34	\$ 81.34
	Montana-Dakota Utilities ⁶	15.34	22.84	30.34	37.84	82.84
	Montana Power Company	8.45	14.65	20.85	27.05	64.26
	Pacific Power and Light Company	6.78	11.66	16.33	21.11	49.78
	Average for Rural Electric Cooperatives	12.46	18.15	23.82	29.47	58.33
	Montana Average	8.77	14.99	21.20	27.41	64.71
	U.S. Average	15.29	27.80	36.94	48.79	110.91
1981	Montana-Dakota Utilities ²	14.56	22.78	31.00	39.22	88.55
	Montana-Dakota Utilities ⁶	16.06	24.28	32.50	40.72	90.05
	Montana Power Company	10.04	17.41	24.78	32.16	76.39
	Pacific Power and Light Company	7.56	13.12	18.68	24.24	57.60
	Average for Rural Electric Cooperatives	12.81	19.61	25.99	32.32	66.72
	Montana Average	10.24	17.57	24.90	32.23	76.20
	U.S. Average	17.76	32.61	43.99	58.16	133.90
1982	Montana-Dakota Utilities ²	13.91	30.49	47.74	64.99	168.49
	Montana-Dakota Utilities ⁶	15.41	31.99	49.24	66.49	169.99
	Montana Power Company	9.90	17.17	24.43	31.69	75.27
	Pacific Power and Light Company ⁷	3.98	10.12	16.80	23.48	79.47
	Pacific Power and Light Company ⁸	3.98	10.12	18.24	27.33	81.86
	Average for Private Utilities	9.84	17.69	25.61	33.53	81.98
	Average for Rural Electric Cooperatives⁹	13.95	21.65	28.35	36.66	79.00
1983	Montana-Dakota Utilities ²	13.91	30.49	47.74	64.99	168.49
	Montana-Dakota Utilities ⁶	15.41	31.99	49.24	66.49	169.99
	Montana Power Company	12.23	21.18	30.12	39.07	92.76
	Pacific Power and Light Company ⁷	5.36	13.51	22.37	31.22	105.23
	Pacific Power and Light Company ⁸	5.36	13.51	24.14	35.96	106.87
	Average for Private Utilities	11.95	21.38	30.90	40.42	98.73
	Average for Rural Electric Cooperatives⁹	13.95	21.65	28.35	36.66	79.00
	Montana Average	11.95	21.38	30.90	40.42	98.73
	U.S. Average	20.72	38.35	52.74	69.96	160.22

NA Not Available

¹ Data for 1974 obtained from 1975 report; digits replaced by question marks are illegible in the source document.² Data computed for service from overhead distribution system—majority of customers.³ Data computed for service from underground distribution system—minority of customers.⁴ Rate used may limit hours of use of water heating devices.⁵ Data computed for service from overhead distribution system—minority of users.⁶ Data computed for service from underground distribution system—majority of customers.⁷ Data based on rates effective during utility-specified winter period.⁸ Data based on rates effective during utility-specified summer period.⁹ Averages shown are weighted by the number of billed customers.

NOTE: The kilowatt-hour usage categories represent broad monthly residential consumption patterns.

From 1975-79, the usage categories were as follows:

100 kWh: lighting, small appliances, and refrigeration

250 kWh: lighting, appliances, refrigeration, and cooking

500, 750, and 1,000 kWh: lighting, appliances, refrigeration, cooking, and water heating.

Beginning in 1980, the 100 kWh usage category was deleted, the 2,500 kWh category was added, and the consumption categories were redefined as follows:

250 and 500 kWh: lighting, appliances, refrigeration, and cooking

750 and 1,000 kWh: lighting, appliances, refrigeration, cooking, and water heating

2,500 kWh: lighting, appliances, refrigeration, cooking, water heating, and/or space heating.

BASED ON: Federal Power Commission, *Typical Electric Bills*, annual reports for 1975-76; U.S. Department of Energy, Energy Information Administration, *Typical Electric Bills*, annual reports for 1977-83 (EIA-0040).The average bills for rural electric cooperatives for the years 1979-81 were obtained from U.S. Department of Agriculture, Rural Electrification Administration, *Statistical Report, Rural Electric Borrowers*, annual reports for 1979-81 (REA bulletin number 1-1).Source: Montana Department of Natural Resources and Conservation, *Montana Historical Energy Statistics*, February 1984.

TABLE XV - 14

TYPICAL ELECTRIC BILLS FOR COMMERCIAL SERVICE IN MONTANA
 1975 - 1983*
 (dollars)

Billing Demand:	3 kW	6 kW	12 kW	30 kW	40 kW	50 kW	100 kW
Consumption:	375 kWh	750 kWh	1,500 kWh	6,000 kWh	10,000 kWh	12,500 kWh	30,000 kWh
1/1/75	\$15.32	\$29.46	\$60.39	\$178.88	\$238.78		
1/1/76	15.32	29.46	60.39	178.88	238.78		
1/1/77	15.32	29.46	60.39	178.88	238.78		
1/1/78	18.53	35.63	73.05	216.59	289.19		
1/1/79	17.81	34.32	70.25	212.61	289.35		
1/1/80		34.50	70.62	213.73	290.87	343.66	\$664.17
1/1/81		41.01	83.95	254.07	345.77	408.52	789.53
1/1/82		40.41	82.72	250.34	340.70	402.53	777.95
1/1/83		50.22	102.82	311.16	423.47	500.32	966.94

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, February 1984. For the Montana Power Company only. Based on Federal Power Commission, Typical Electric Bills, annual reports for 1975-76; U.S. Dept. of Energy, Energy Information, Typical Electric Bills, annual reports for 1977-83.

TABLE XV - 15

TYPICAL ELECTRIC BILLS FOR INDUSTRIAL SERVICE IN MONTANA: 1975-83*
(dollars)

Billing Demand Consumption:	75 kW 15 MWh	75 kW 30 MWh	150 kW 30 MWh	150 kW 60 MWh	300 kW 60 MWh	300 kW 120 MWh	500 kW 100 MWh	500 kW 200 MWh	1,000 kW 200 MWh	1,000 kW 400 MWh	5,000 kW 1,500 MWh	5,000 kW 2,500 MWh
January 1, 1975	\$339	\$500	\$583	\$850	\$1,049	\$1,517	\$1,671	\$2,407	\$3,226	\$4,632		
January 1, 1976	339	500	583	850	1,049	1,517	1,671	2,407	3,226	4,632		
January 1, 1977	339	500	583	850	1,049	1,517	1,671	2,407	3,226	4,632		
January 1, 1978	410	605	706	1,029	1,270	1,836	2,022	2,912	3,902	5,602		
January 1, 1979	413	630	721	1,096	1,314	1,992	2,105	3,186	4,082	6,172		
January 1, 1980			725	1,102	1,321	2,002	2,116	3,203	4,104	6,204	\$25,145	\$35,285
January 1, 1981			862	1,310	1,571	2,380	2,516	3,808	4,878	7,375	29,891	41,945
January 1, 1982			849	1,291	1,548	2,346	2,479	3,752	4,807	7,267	29,453	41,330
January 1, 1983			1,056	1,604	1,924	2,915	3,081	4,663	5,974	9,033	36,608	51,370

* For the Montana Power Company only.

NOTE: Energy is metered on secondary side of utility-owned transformers.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, February 1984, p. 31. Based on Federal Power Commission, Typical Electric Bills, annual reports for 1975-76; U.S. Dept. of Energy, Energy Information Administration, Typical Electric Bills, annual reports for 1977-83.

TABLE XV - 16

AVERAGE NATURAL GAS CONSUMPTION
& ANNUAL COST PER CONSUMER IN MONTANA
1980 - 1982

Year	Sector	Consumption (thou. cu.ft.)	Cost (dollars)
1980	Residential	117	\$ 356
	Commercial	670	2,089
	Industrial	32,841	103,218
1981	Residential	104	389
	Commercial	610	2,523
	Industrial	31,364	133,551
1982	Residential	121	538
	Commercial	780	3,800
	Industrial	24,013	131,770

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, February 1984. Based on U.S. Dept. of Energy, Energy Information Administration, Natural Gas Annual, annual reports for 1980/82.

CHAPTER XVI

CRIME

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MONTANA CRIME INDEX: ACTUAL OFFENSES* & RATES**
FOR CRIMES AGAINST PERSONS

Year	Homicide		Rape		Robbery		Aggravated Assault		Total Offenses	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1975	46	6.1	132	17.6	347	46.4	1,462	195.5	1,987	256.6
1976	41	5.4	124	16.5	283	37.6	1,137	151.0	1,585	210.5
1977	40	5.3	138	18.1	295	38.3	1,437	188.8	1,910	251.0
1978	37	4.7	146	18.6	259	33.0	1,519	193.5	1,961	249.8
1979	41	5.2	183	23.3	261	33.2	1,361	173.2	1,846	234.9
1980	30	3.8	166	21.1	257	32.7	1,243	158.1	1,696	215.7
1981	40	5.1	186	23.5	280	35.4	1,315	166.0	1,821	229.9
1982	27	3.4	128	16.0	280	35.0	1,335	166.7	1,770	221.0
1983	26	3.2	153	18.7	195	23.9	1,448	177.2	1,822	223.0

NOTE: The seven crimes listed in this and the following table were selected as index crimes because they are the most common serious crimes and the most likely to be reported to the police. The numerous other felony and misdemeanor offenses are not included in the crime index. The crime index is only an indication of the amount and type of crime occurring in a jurisdiction. It is not an absolute measure. If multiple crimes were committed during one incident, only the most serious is reported. Also, many crimes are never reported to the police.

* "Actual offenses" include only those offenses known by the police less the number of unfounded offenses.

** "Rate" means incidence per 100,000 population.

SOURCE: Montana Board of Crime Control, Crime in Montana, years indicated.

TABLE XVI - 2

MONTANA CRIME INDEX: ACTUAL OFFENSES* & RATES**
FOR CRIMES AGAINST PROPERTY

Year	Burglary		Larceny/Theft		Motor Vehicle Theft		Total Offenses	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1975	7,240	967.9	21,417	2,863.2	2,530	338.2	31,187	4,169.4
1976	6,665	885.1	21,560	2,863.2	2,327	309.4	30,552	4,057.4
1977	6,363	836.1	21,214	2,787.6	2,413	317.1	29,990	3,940.9
1978	6,270	798.7	20,563	2,619.5	2,452	312.4	29,285	3,730.6
1979	6,826	804.8	24,304	3,092.1	2,404	305.9	33,034	4,202.8
1980	7,027	893.5	25,749	3,274.2	2,319	294.9	35,095	4,462.7
1981	7,144	902.0	24,945	3,149.9	1,962	247.7	35,051	4,299.4
1982	6,509	812.6	24,225	3,024.3	1,991	248.6	32,725	4,085.5
1983	6,817	834.4	24,417	2,988.6	1,924	235.5	33,158	4,058.5

NOTE: The seven crimes listed in this and the previous table were selected as index crimes because they are the most common serious crimes and the most likely to be reported to the police. The numerous other felony and misdemeanor offenses are not included in the crime index.

The crime index is only an indication of the amount and type of crime occurring in a jurisdiction. It is not an absolute measure. If multiple crimes were committed during one incident, only the most serious is reported. Also, many crimes are never reported to the police.

* "Actual offenses" include only those offenses known by the police less the number of unfounded offenses.

** "Rate" means incidence per 100,000 population.

SOURCE: Montana Board of Crime Control, Crime in Montana, years indicated.

FIGURE XVI-1
Crime Rate



FIGURE XVI-2
Crimes Against People



FIGURE XVI-3
Crimes Against Property



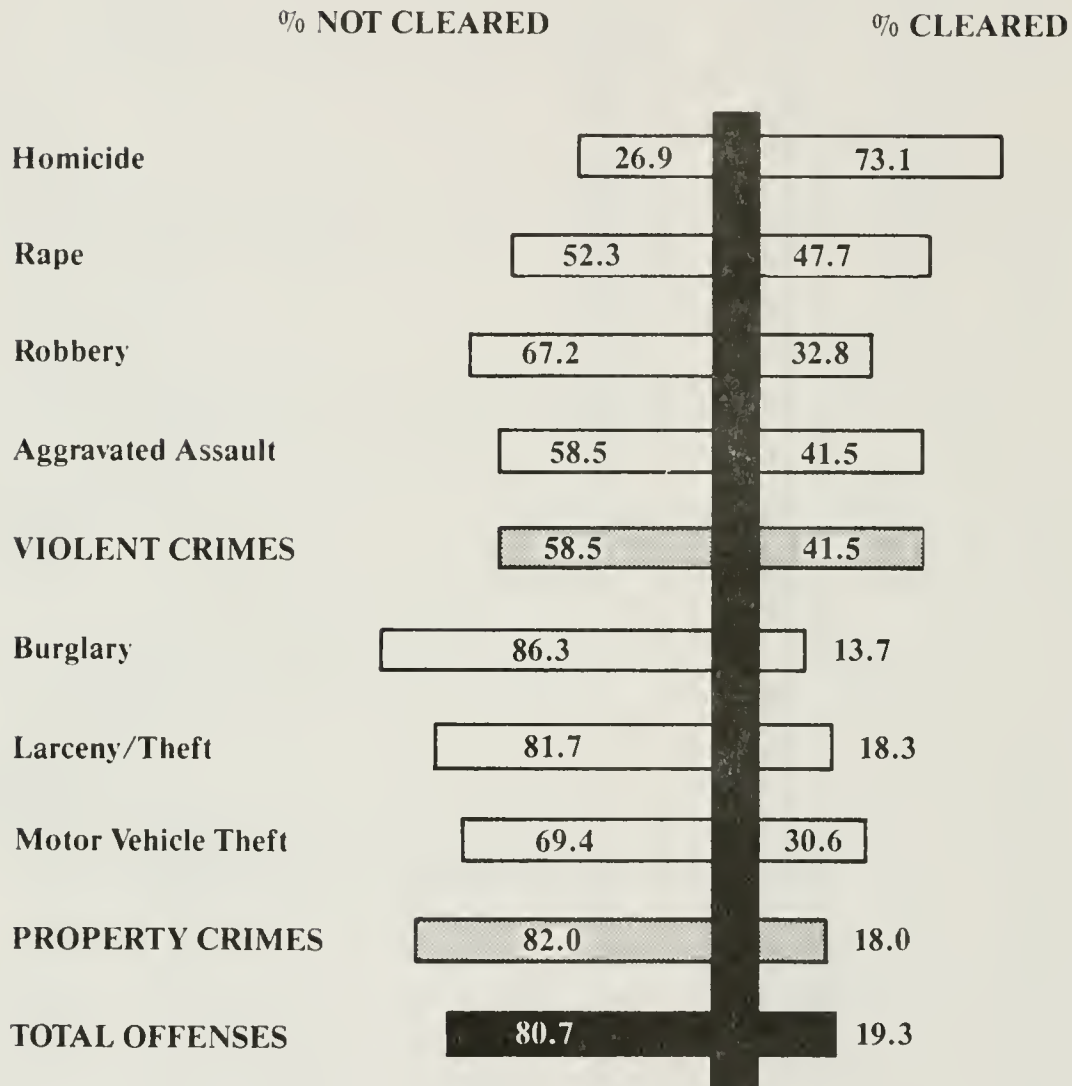
Note:

Crime Rate — Incidence per 100,000 population.

Crime Index — Total number of the actual offenses of the seven major crimes reported

Source: Montana Board of Crime Control.

FIGURE XVI-4
PERCENTAGE OF ACTUAL OFFENSES
CLEARED BY ARREST — 1983
SEVEN INDEX CRIMES



NOTE: An offense is considered cleared when a law enforcement agency has identified the offender, gathered sufficient evidence, and filed a charge. The arrest of one person can clear several crimes or conversely, several persons may be arrested in the process of clearing one crime.

Source: Montana Board of Crime Control, *Crime in Montana: 1983 Annual Report*, 1984.

FIGURE XVI-5
Montana
Crime Index Profile
1983

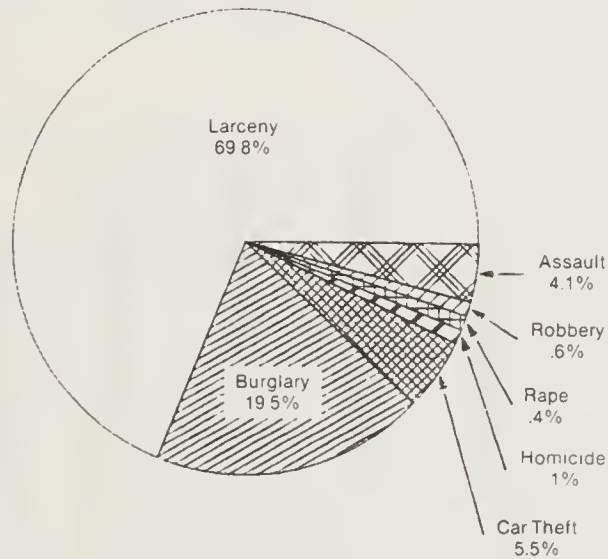
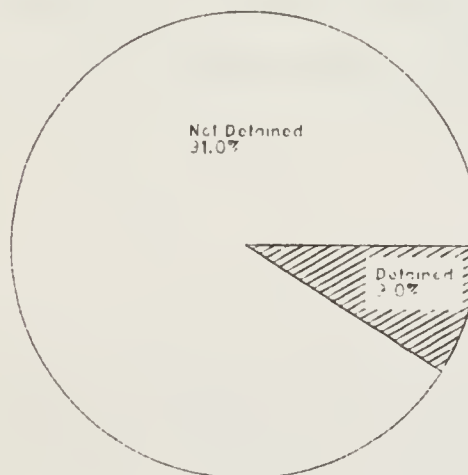
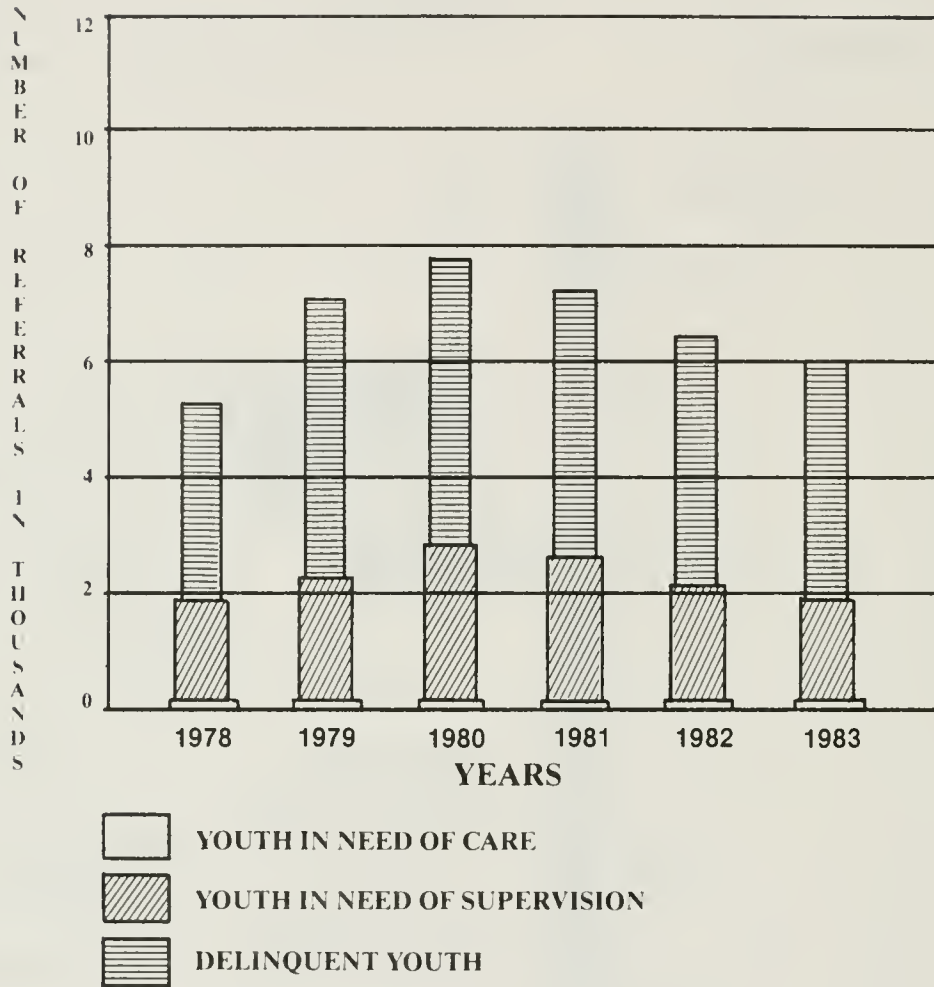


FIGURE XVI-6
1983 Rate of Detention
As a Per Cent of 6,004 Total Youth Court Referrals in Montana



Source: Montana Board of Crime Control.

FIGURE XVI-7
MONTANA YOUTH COURT
REFERRALS
 1978 TO 1983

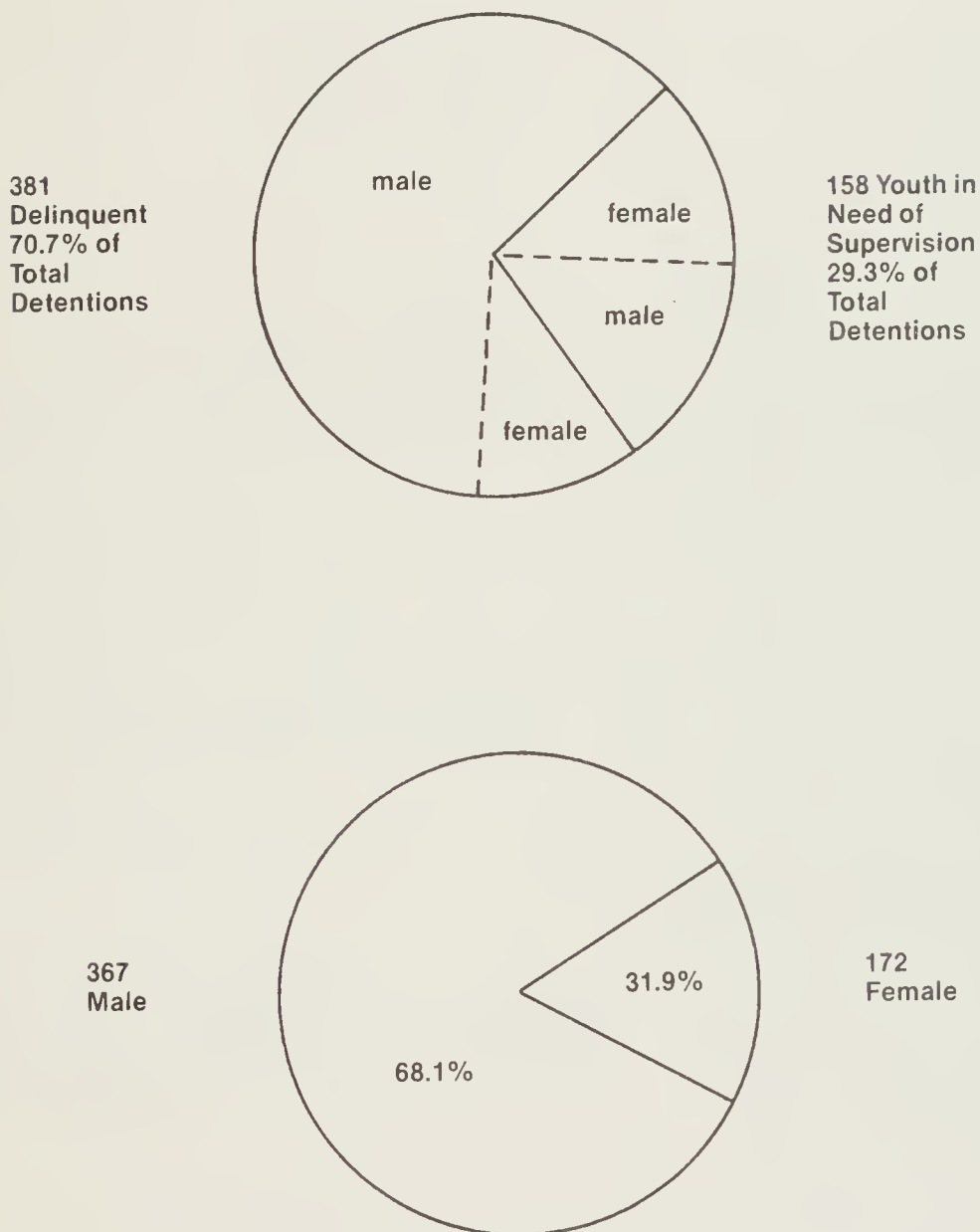


NOTE: A delinquent youth is a youth who commits any criminal offense. A youth in need of supervision is a youth who has committed an offense which is illegal only for minors. Such offenses include, but are not limited to, runaway, truancy, and liquor violations. Youth in need of supervision are commonly referred to as status offenders and the offenses they commit are called status offenses.

Source: Montana Board of Crime Control, Crime in Montana: 1983 Annual Report, 1984

FIGURE XVI-8

**TYPE OF YOUTH DETAINED IN 1983
BY CLASSIFICATION AND SEX OF YOUTH**



Source: Montana Board of Crime Control, Crime in Montana: 1983 Annual Report, 1984.

CHAPTER XVII

LAND USE

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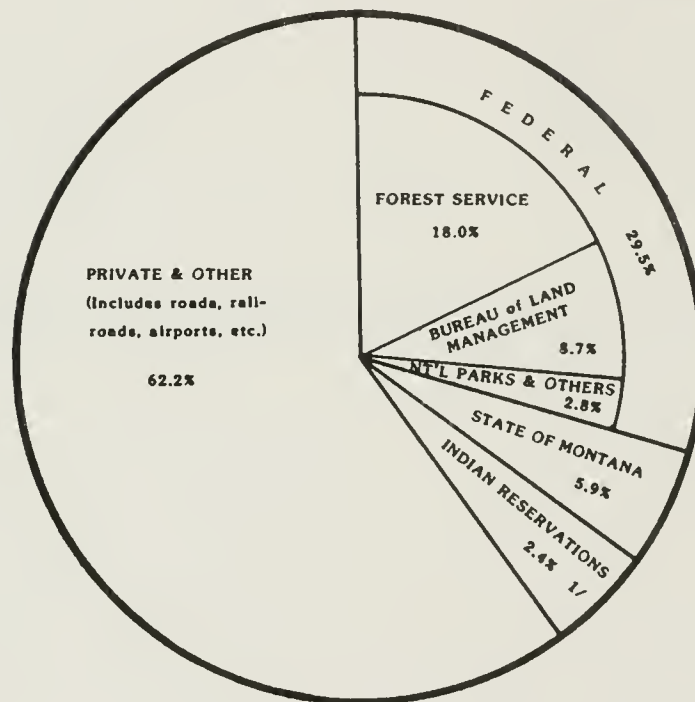
TABLE XVII - 1

SPECIAL GEOGRAPHIC FEATURES OF MONTANA

Item	Value
Land Area	145,603 sq. mi.
Water Area	1,535 sq. mi.
Total Area	147,138 sq. mi.
Rank/US, Land & Water Area	4th
Highest Point (Granite Peak)	12,799 ft. elevation
Lowest Point (Kootenai River)	1,800 ft. elevation
Geographic Center	12 mi. west of Lewistown

SOURCE: U.S. Geological Survey, The National Atlas of the United States, 1970, p. 336.

FIGURE XVII-1
MONTANA LAND AREA (93.2 Million Acres)
 Ownership as Percentage of Total
 1978



1/ Tribal lands only.

Source: Montana Crop and Livestock Reporting Service, from federal and state sources.

TABLE XVII - 2

INDIAN LANDS IN SELECTED STATES AND IN THE U.S.
1940 - 1981
(in thousands of acres)

Year	Montana	Idaho	Wyoming	U.S.
1940	6,455	818	2,013	55,406
1960	5,457	835	1,890	58,076
1970	5,274	828	1,887	55,408
1975	5,282	827	1,886	52,316
1978	5,275	828	1,887	52,885
1979	5,258	827	1,888	52,962
1980	5,249	827	1,888	52,993
1981:				
Total	5,240	827	1,888	52,473
Indian Trust				
Allotted	3,017	332	95	10,962
Tribal	2,220	462	1,792	41,062
Government				
Owned	3	33	1	449

NOTE: Indian trust allotted lands are private landholdings of individual Indians. Tribal lands are lands held by Indian tribes. Beginning in 1960, taxable lands generally included. Beginning in 1975, includes tribal lands.

SOURCE: U.S. Bureau of Indian Affairs, Annual Report of Indian Land, and unpublished data.

TABLE XVII - 3

URBAN LAND AREA: 1960 - 1980
(in acres)

State	Urban Area (1,000)			Urban Area per Capita [*]		
	1960	1970	1980	1960	1970	1980
Montana	54	76	118	.16	.20	.28
Idaho	74	105	154	.23	.27	.30
Wyoming	36	49	91	.19	.24	.31

* based on urban resident population enumerated as of April 1.

SOURCE: U.S. Dept. of Agriculture, Economic Research Service, Expansion of Urban Area, 1960-1980. Data from U.S. Bureau of the Census.

TABLE XVII - 4

NATIONAL PARK SYSTEM: 1980

Area	Number of Areas	1,000 Visits
United States	272	297,731
Montana	6	2,962
Idaho	2	350
Wyoming	5	6,239

SOURCE: U. S. Bureau of the Census, State and Metropolitan Area Data Book, 1982, p. 496.

TABLE XVII - 5

STATE PARK & RECREATION AREAS: 1980 & 1982*

Area	1982 Acreage (1,000)	Visitors (1,000)		Expenditures** (mil. dol.)	
		1980	1982	1980	1982
United States	9,912	548,912	631,031	993	888
Montana	46	1,030	3,081	5	3
Idaho	42	2,049	1,915	4	3
Wyoming	123	(NA)	521	2	2

* For years ending June 30. Data are shown as reported by state park directors. In some states, park agency has under its control forests, fish & wildlife areas and/or other areas. In other states, agency is only responsible for state parks.

** Excludes capital outlay expenditures.

SOURCE: National Association of State Park Directors, Indianapolis, Indiana, Annual Information Exchange.

TABLE XVII - 6

NATIONAL WILDERNESS PRESERVATION SYSTEM: 1980^{*}

Area	Number of Areas	Visitors (1,000)
United States	257	79,795
Montana	14	3,172
Idaho	6	3,868
Wyoming	6	2,194

* Does not include major additions in the 1980's.

SOURCE: U.S. Bureau of the Census, State and Metropolitan Area Data Book, 1982, p. 496.

TABLE XVII - 7

WILDERNESS AREAS IN MONTANA: 1984

Wilderness	Agency/Land Unit	Net Federal Acreage	Year Designated	Public Law No.
Absaroka-Beartooth	USFS/Custer, Gallatin	920,377	1978	95-249
Anaconda-Pintlar	USFS/Beaverhead, Bitterroot	157,874	1964	88-577
Bob Marshall	USFS/Flathead, Lewis & Clark	1,009,356	1978	95-546
Cabinet Mountains	USFS/Kaniku, Kootenai	94,272	1964	88-577
Gates of the Mountains	USFS/Helena	28,562	1964	88-577
Great Bear	USFS/Flathead	286,700	1978	95-546
Lee Metcalf		259,000	1983	
Beartrap Canyon	BLM/ID	6,000	1983	98-140
Monument Mountain	USFS/Gallatin	34,000	1983	98-140
Spanish Peaks	USFS/Gallatin	78,000	1983	98-140
Taylor-Hilgard	USFS/Beaverhead, Gallatin	141,000	1983	98-140
Medicine Lake	FWP/Medicine Lake	11,800	1976	94-557
Mission Mountains	USFS/Flathead	73,877	1975	93-632
Rattlesnake	USFS/Lolo	20,119	1980	96-476
Red Rocks Lakes	FWS/Red Rock Lakes	32,350	1976	94-557
Sagegoat *	USFS/Helena, Lewis & Clark, Lolo	239,296	1972	92-395
Selway-Bitterroot	USFS/Bitterroot, Lolo	248,893	1964	88-577
UL Bend	FWS/UL Bend	20,847	1976	94-557
Welcome Creek	USFS/Lolo	28,135	1978	95-237
State Total:		3,431,458		

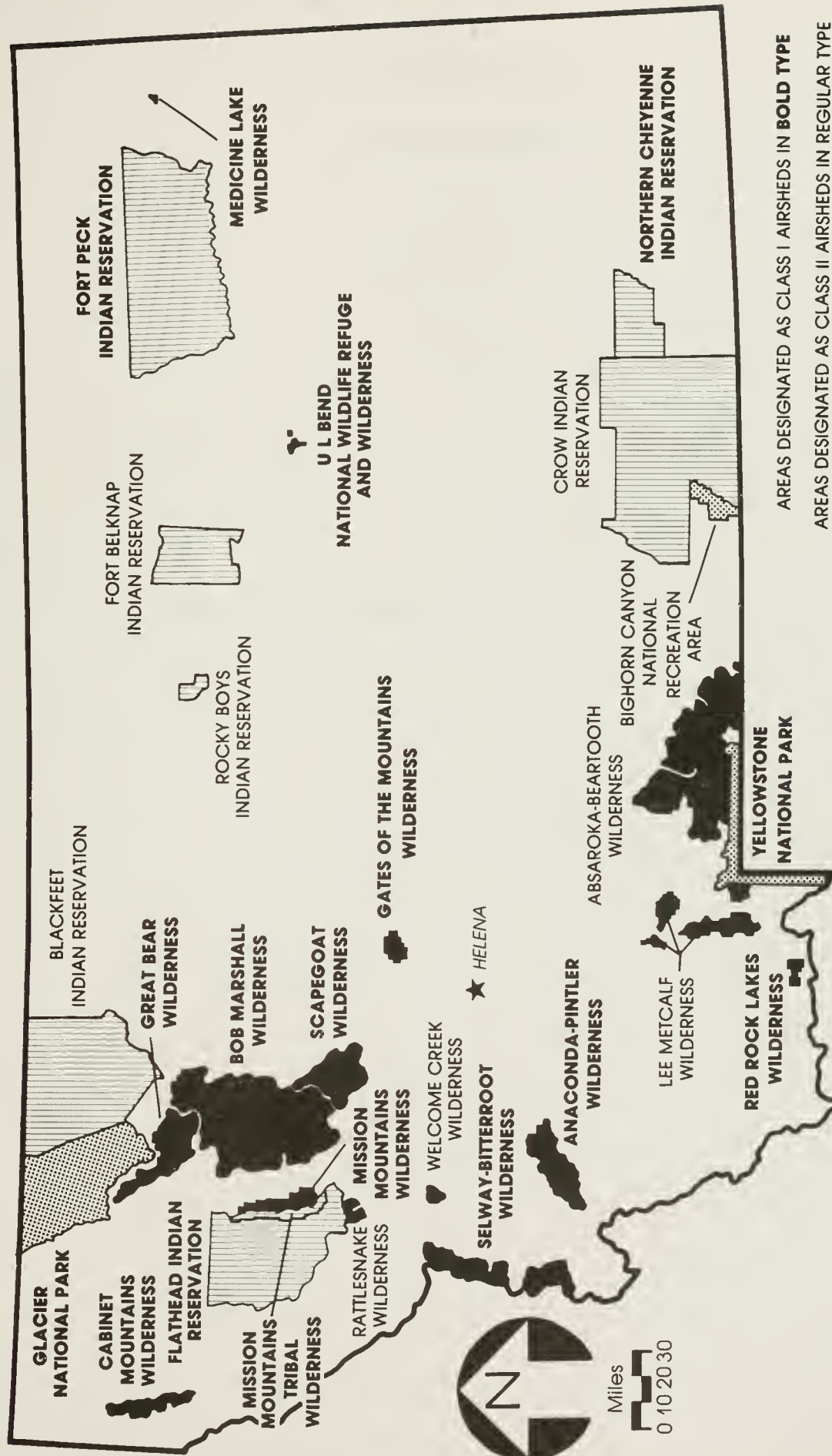
* also in Idaho

USFS - Forest Service, U.S. Department of Agriculture
BLM - Bureau of Land Management, U.S. Department of Interior
FWS - Fish and Wildlife Service, U.S. Department of Interior

SOURCES: Montana Wilderness Association, Helena, & the Wilderness Society, Wilderness Lands in the United States, 1984.

FIGURE XVII-2

NATIONAL PARKS, WILDERNESS AREAS AND INDIAN RESERVATIONS IN MONTANA



CHAPTER XVIII

AIR AND WATER

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TABLE XVIII - 1

AIR QUALITY

PREVENTION OF SIGNIFICANT DETERIORATION (PSD) REGULATIONS

PSD STANDARDS:

- Class I: An area where almost any measurable change in air quality is significant. National parks and wildernesses are Class I areas. Any state or Indian governing body may petition to redesignate its area from Class II to either Class I or III.
- Class II: An area where air pollution standards will allow for moderate, well-controlled growth.
- Class III: An area with an existing significant air quality problem equal to about one-half of the air quality standards.

MONTANA PSD CLASS I AREAS:

1. Glacier National Park
2. Cabinet Mountain Wilderness
3. Flathead Reservation - Confederated Salish & Kootenai Tribes
4. Mission Mountain Wilderness
5. Bob Marshall Wilderness
6. Lincoln Scapegoat Wilderness
7. Selway Bitterroot Wilderness
8. Anaconda Pintlar Wilderness
9. Gates of the Mountains Wilderness
10. Red Rock Lakes National Wildlife Refuge
11. Yellowstone National Park
12. U L Bend Wilderness Area
13. Northern Cheyenne Indian Reservation - Northern Cheyenne Tribe
14. Medicine Lake National Wildlife Refuge
15. Fort Peck Indian Reservation - Assiniboine & Sioux Tribes

TABLE XVIII - 1
(cont.)

PSD-ALLOWABLE INCREMENTS (Micrograms/Cubic Meter):

Item	I	II	III	Not to Exceed
Particulates:				
Annual Geo. Mean	5	19	37	75
Maximum 24-Hr.	10	37	75	150
Sulfur Dioxide:				
Annual Arith. Mean	2	20	40	80
Maximum 24-Hr.	5	91	182	365
Maximum 3-Hr.	25	512	700	1,300

NOTE: In general, Montana has adopted federal standards for the protection of Class I areas and has authority over Class I areas except for Indian reservations, where there is tribal and U.S. Environmental Protection Agency authority. The state would have authority, however, over actions outside a reservation that would impact a reservation. Wilderness areas established prior to 1978 are Class I. Others are Class II.

SOURCES: Montana Environmental Quality Council, Annual Report, December 31, 1983, p. 8, and Air Quality Bureau, Environmental Sciences Division, Montana Dept. of Health & Environmental Sciences, personal communication and verification of data above, October 26, 1984.

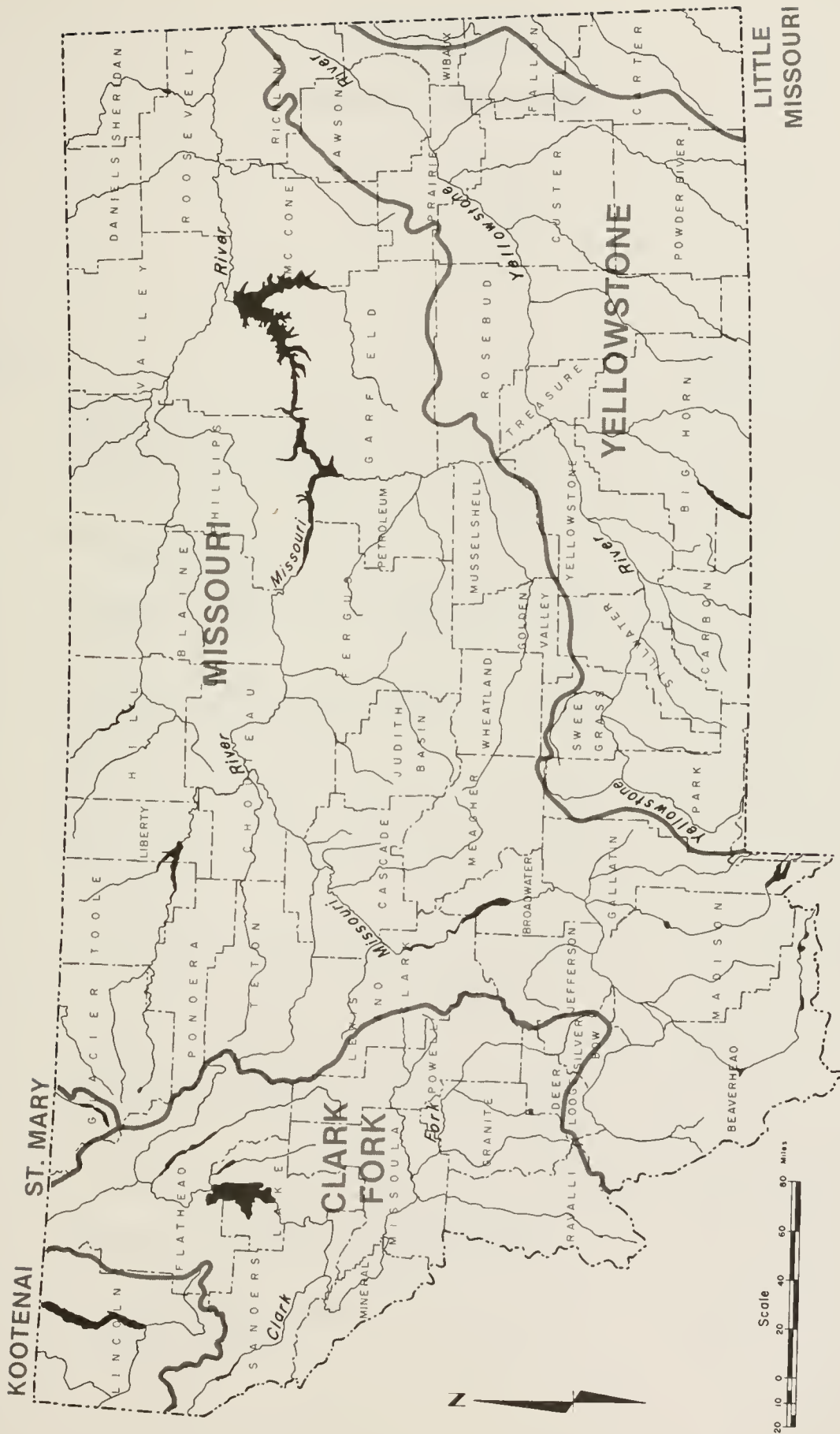


FIGURE XVIII-1
MONTANA MAJOR RIVERS & RIVER BASINS

CHAPTER XIX

ENERGY RESOURCES

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TABLE XIX - 1

ENERGY RESERVES & PRODUCTION: 1980

Item	Montana	Idaho	Wyoming	United States
<u>Reserves:</u>				
Coal (mill. short tons)	120,428	4	69,924	472,714
Crude Oil (mill. barrels)	179	0	1,038	31,335
Natural Gas (bill. cu.ft.)	1,308	0	9,413	206,259
Uranium (thou. short tons)	< 16	< 16	142.9	470
Percent of U.S.:				
Coal	25.5%	0	14.8%	(X)
Crude Oil	0.6%	0	3.3%	(X)
Natural Gas	0.6%	0	4.6%	(X)
Uranium	< 3.4%	< 3.4%	30.4%	(X)
<u>Production Value: (millions)</u>				
Coal	\$ 315	0	\$ 1,001	\$ 20,355
Crude Oil	658	0	2,700	65,722
Natural Gas	75	0	786	31,866
Uranium	0	0	314	1,136
Percent of U.S.:				
Coal	1.5%	0	4.9%	(X)
Crude Oil	1.0%	0	4.1%	(X)
Natural Gas	0.2%	0	2.5%	(X)
Uranium	0	0	27.6%	(X)
<u>Consumption:</u>				
Trillion Btu's	366	355	396	75,944
Percent of U.S.	0.5%	0.5%	0.5%	

< - less than

(X) - not applicable

SOURCE: U.S. Dept. of Energy, State Energy Overview, September 1982

TABLE XIX - 2

PRODUCTION OF ENERGY BY TYPE OF FUEL: 1960-83
(physical units)

Year	Subbituminous Coal (thou. tons)	Lignite Coal (thou. tons)	(Dry) Natural Gas (million cu.ft.)	Crude Oil (thou. bbls)	Hydroelectric Power (mill. kWh)	Wood & Waste* (mill. kWh)
1960	113.000	200.000	35,381	30,240	5,801	(NA)
1961	97.000	274.000	34,884	30,906	6,499	0
1962	78.000	304.000	28,973	31,648	6,410	0
1963	53.000	290.000	27,113	30,870	6,011	0
1964	46.000	300.000	25,234	30,647	6,821	31
1965	63.000	301.000	27,873	32,778	8,389	37
1966	91.000	328.000	32,414	35,380	7,940	38
1967	65.000	300.000	31,619	34,959	8,703	56
1968	189.000	330.000	31,917	48,460	8,925	74
1969	722.000	308.000	41,229	43,954	9,447	61
1970	3,124.000	323.000	37,445	37,879	8,745	73
1971	6,737.000	327.000	38,137	34,599	9,595	60
1972	7,899.000	322.000	35,606	33,904	9,444	50
1973	10,411.000	314.000	58,896	34,620	7,517	48
1974	13,775.000	331.000	51,401	34,554	9,726	16
1975	21,620.000	520.000	44,546	32,844	9,560	14
1976	25,919.000	312.000	45,098	32,814	12,406	37
1977	27,091.013	302.426	48,181	32,680	8,460	46
1978	26,390.466	288.708	47,140	30,467	11,708	52
1979	32,148.549	305.143	53,888	29,957	10,344	52
1980	29,675.034	305.578	53,802	29,584	9,966	17
1981	33,127.167	204.492	50,073	30,813	11,324	34
1982	27,666.745	177.556	50,932	30,917	10,920	28
1983	28,453.741	206.543	52,426	29,665	11,561	39

* Used to generate electricity.

NOTE: Because data on some fuels are not available, total production of energy may be slightly understated.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 4; Coal: U.S. Bureau of Mines (1960-76); Montana Energy Office (1977-83); and U.S. Dept. of Energy, Electric Power Annual, 1983.

TABLE XIX - 3

PRODUCTION OF ENERGY BY TYPE OF FUEL: 1960-83
(trillion Btu)

Year	Subbitum. Coal	Lignite Coal	Coal Subtotal	(Dry) Natural Gas	Crude Oil	Hydroelec. Power	Wood & Waste*	Total
1960	1.978	2.600	4,578	35.381	169.646	19.793	(NA)	229.389
1961	1.698	3.562	5.260	34.884	173.383	22.174	0	235.701
1962	1.365	3.952	5.317	28.973	177.545	21.871	0	233.706
1963	0.928	3.770	4.698	27.113	173.181	20.510	0	225.502
1964	0.805	3.900	4.705	25.234	171.930	23.273	0.106	225.248
1965	1.102	3.913	5.015	27.873	183.884	28.623	0.126	245.521
1966	1.592	4.264	5.856	32.414	198.482	27.091	0.130	263.973
1967	1.138	3.900	5,038	31.619	196.120	26.695	0.191	262.663
1968	3.308	4.290	7.598	31.917	271.861	30.452	0.252	342.080
1969	12.635	4.004	16.639	41.229	246.582	32.233	0.208	336.891
1970	54.670	4.199	58.869	37.445	212.501	29.838	0.249	338.902
1971	117.898	4.251	122.149	38.137	194.100	32.738	0.205	387.329
1972	138.232	4.186	142.418	35.606	190.201	32.223	0.171	400.619
1973	182.192	4.082	186.274	58.896	194.218	25.648	0.164	465.200
1974	241.062	4.303	245.365	51.401	193.848	33.185	0.546	524.345
1975	378.350	6.760	385.110	44.546	184.255	32.619	0.478	647.008
1976	453.582	4.056	457.638	45.098	184.086	42.329	0.126	729.277
1977	474.093	3.932	478.025	48.181	183.335	28.866	0.157	738.564
1978	461.833	3.753	465.586	47.140	170.920	39.948	0.177	723.771
1979	562.600	3.967	566.567	53.888	168.059	35.294	0.177	823.985
1980	519.313	3.972	523.286	53.802	165.966	34.004	0.058	777.116
1981	579.725	2.658	582.384	50.073	172.861	38.637	0.116	844.071
1982	484.168	2.308	486.476	50.932	173.444	37.259	0.096	748.207
1983	497.940	2.685	500.626	52.426	166.421	39.446	0.133	759.052

* Used to generate electricity.

NOTE: This table gives the Btu equivalents of the physical units shown in the preceding table.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 5; and U.S. Dept. of Energy, Electric Power Annual, 1983.

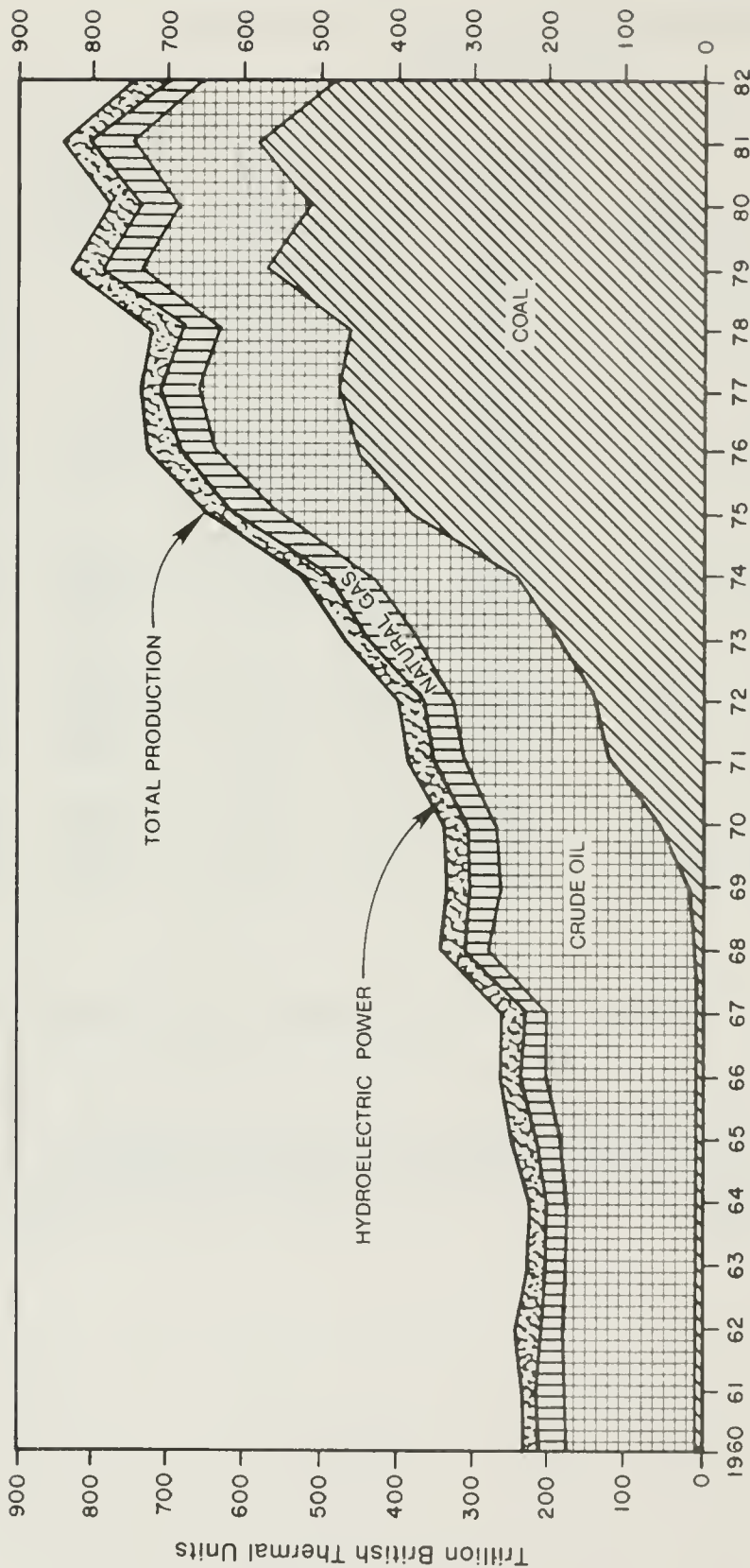


FIGURE XIX-1
PRODUCTION OF ENERGY BY TYPE OF FUEL, 1960-82

NOTE: Wood and waste products used to generate electricity at electric utilities are not shown because their contribution is negligible.

SOURCE: Montana Department of Natural Resources and Conservation, Montana Historical Energy Statistics, 1984.

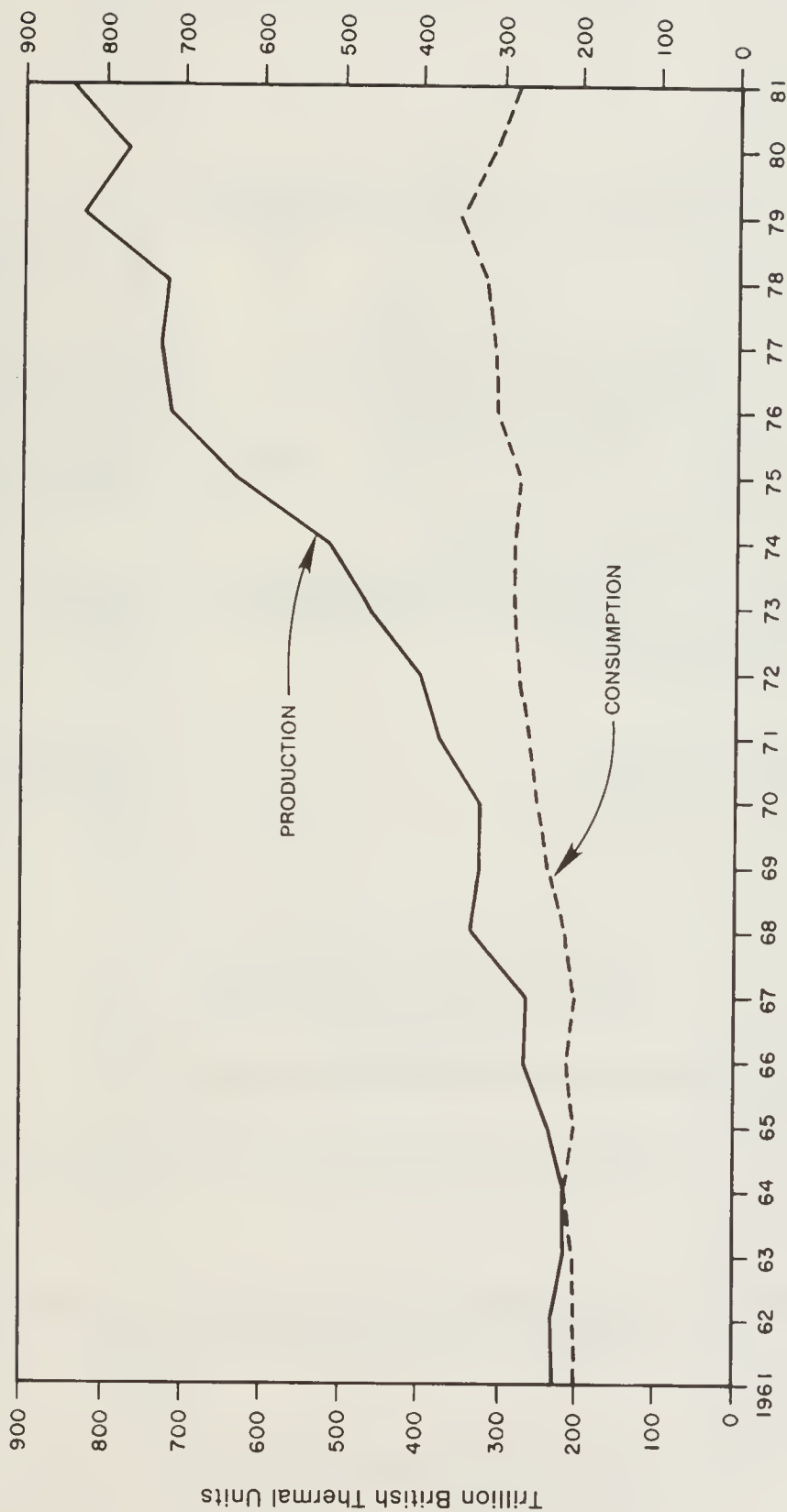


FIGURE XIX-2
PRODUCTION AND CONSUMPTION OF ENERGY, 1961-81

SOURCE: Montana Department of Natural Resources and Conservation, Montana Historical Energy Statistics, 1984.

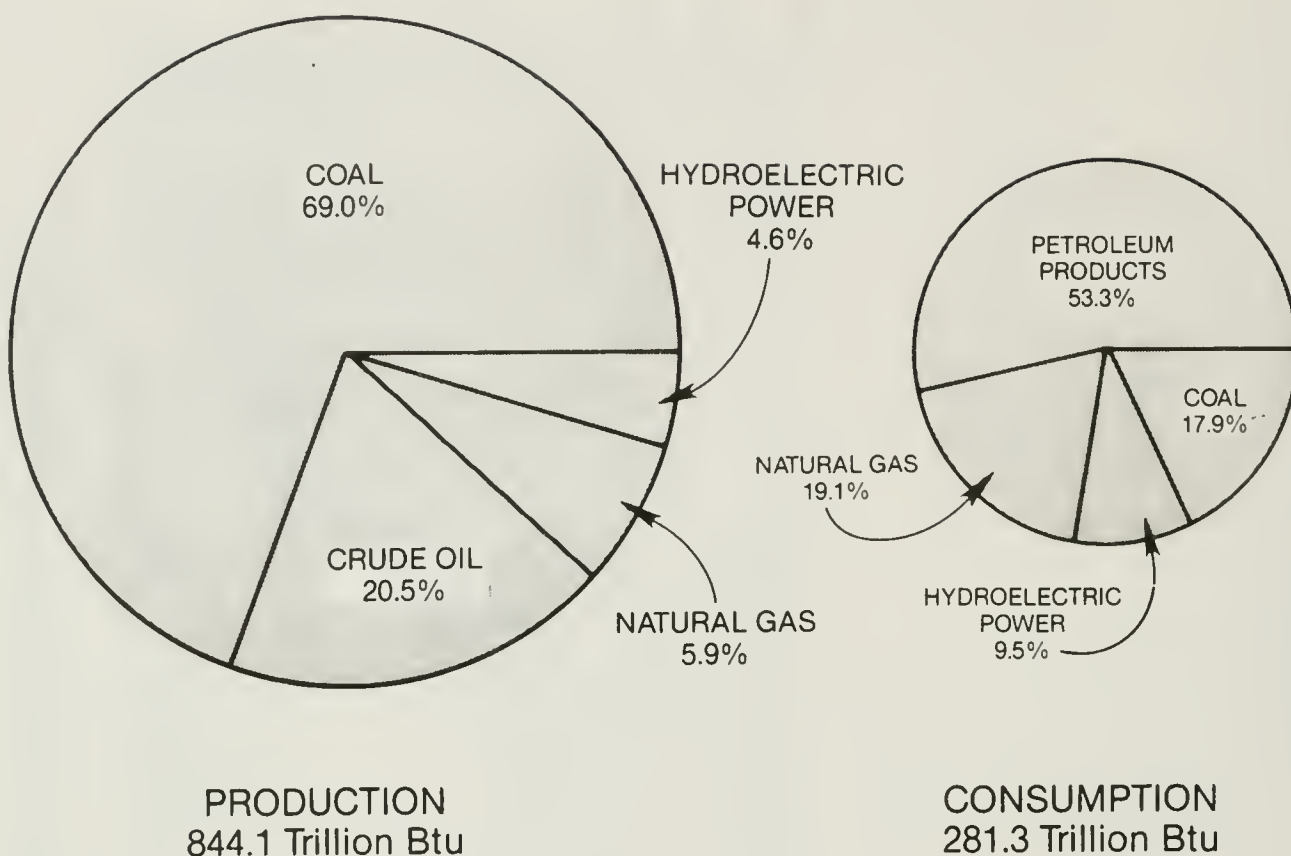


FIGURE XIX-3
PRODUCTION AND CONSUMPTION OF ENERGY, 1981

NOTE: Fuels with negligible contributions to total production or consumption are not shown.

SOURCE: Montana Department of Natural Resources and Conservation, Montana Historical Energy Statistics, 1984.

MONTANA'S CONSUMPTION OF ENERGY BY TYPE OF FUEL: 1960-81
(physical units)

Year	Coal (thousand short tons)	Natural Gas (Dry) (billion cubic feet)	Petroleum (thousand barrels)	Wood & Waste (million kWh)	DNRC		DOE
					Estimated Instate Hydroelectric Power (million kWh)	Estimated Net Interstate Sales of Thermal Electric Power Generation (million kWh)	
						Hydroelectric Power (million kWh)	Net Interstate Sales of** Electricity (million kWh)
1960	253	56	18,530	0	4,716	(NA)	-3,143
1961	335	59	20,134	0	4,816	31	-5,247
1962	373	63	20,624	0	4,735	0	-5,252
1963	356	67	20,649	0	4,934	110	-3,264
1964	380	69	21,406	31	5,433	205	-4,144
1965	368	71	18,493	37	6,028	354	-6,955
1966	390	72	19,966	39	6,743	352	-3,201
1967	380	65	18,907	56	6,642	528	-5,800
1968	449	63	21,031	74	7,310	754	-4,142
1969	619	78	21,529	61	8,289	895	-2,573
1970	762	88	21,209	73	7,963	915	-1,220
1971	730	88	22,678	61	8,305	989	-2,563
1972	828	84	24,816	51	9,022	1,116	-2,362
1973	950	90	26,454	48	6,907	1,278	-256
1974	923	80	27,334	16	8,205	1,401	-2,518
1975	1,114	80	26,765	14	7,279	1,224	-6,007
1976	2,496	74	29,825	37	7,501	-1,383	-16,009
1977	3,381	71	28,966	46	7,009	-3,808	-8,381
1978	3,394	73	30,516	52	7,875	-3,808	-14,767
1979	3,686	70	34,723	52	7,815	-3,816	-11,932
1980	3,549	61	31,126	17	7,525	-4,181	-11,313
1981	3,615	52	26,488	34	7,859	-4,017	-15,024

* Consumed at utilities to produce electricity

** Net interstate sales of electricity is the difference between the amounts of energy in the electricity sold within a state (including associated losses) and the energy input at the electric utilities within the state. The net interstate sales, therefore, include associated electrical energy losses. A positive number indicates that more electricity (including associated losses) came into the state than went out of the state during the year. Conversely, a negative number indicates that more electricity (including associated losses) went out of the state than came into the state.

NOTE: Does not include wood consumed by the nonutility sectors. Also excludes small quantities of other energy sources for which consistent historical data are not available, such as solar energy obtained by the use of thermal and photovoltaic collectors, wind energy and geothermal, biomass, and waste energy other than that consumed at the electric utilities.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 6.

TABLE XIX - 5

MONTANA'S CONSUMPTION OF ENERGY BY TYPE OF FUEL: 1960-81
(trillion Btu)

Year	Natural Gas (Dry)	Wood & Waste	Petroleum	DNRC		DOE	
				Estimated Instate Coal	Estimated Instate Hydroelectric Power	Hydroelectric Power	Coal
				Total	Total	Net Interstate Sales of*** Electricity	Total
1960	57.6	0.0	104.1	(NA)	16.1	62.4	4.3
1961	61.3	0.0	113.3	5.5	16.4	69.2	5.4
1962	65.7	0.0	116.9	6.0	16.2	67.7	5.4
1963	68.6	0.0	117.2	6.1	16.8	63.0	5.7
1964	71.6	0.3	121.5	6.9	18.5	71.3	6.2
1965	73.0	0.4	103.2	7.0	20.6	87.7	5.8
1966	74.4	0.4	111.3	7.3	23.0	82.7	6.1
1967	67.1	0.6	103.8	7.5	22.7	90.8	5.7
1968	64.8	0.8	116.2	9.6	24.9	92.8	7.0
1969	80.7	0.6	119.2	13.0	28.3	98.7	9.9
1970	90.5	0.8	117.9	15.3	27.2	91.8	12.2
1971	91.0	0.6	126.2	15.2	28.3	100.5	11.8
1972	86.6	0.5	138.1	17.3	30.8	98.0	13.5
1973	92.0	0.5	147.7	20.0	23.6	78.1	15.6
1974	81.8	0.2	153.6	19.9	28.0	101.5	15.1
1975	81.1	0.1	150.2	23.0	24.8	105.8	18.8
1976	75.8	0.4	168.1	38.1	25.6	128.6	42.8
1977	72.3	0.5	163.3	46.4	23.9	88.3	58.9
1978	73.8	0.5	170.6	46.1	26.9	121.3	59.1
1979	71.1	0.5	201.0	51.7	26.7	107.1	64.7
1980	62.2	0.2	177.4	47.6	25.7	103.5	61.9
1981	53.8	0.4	150.0	50.3	26.8	117.6	64.0

* Consumed at utilities to produce electricity

** Net interstate sales of thermal electric power and the associated generation losses have been subtracted.

*** Net interstate sales of electricity is the difference between the amounts of energy in the electricity sold within a state (including associated losses) and the energy input at the electric utilities within the state. The net interstate sales, therefore, include associated electrical energy losses. A positive number indicates that more electricity (including associated losses) came into the state than went out of the state during the year. Conversely, a negative number indicates that more electricity (including associated losses) went out of the state than came into the state.

NOTE:

This table gives the Btu equivalent of the physical units shown in the preceding table.

Does not include wood consumed by the nonutility sectors. Also excludes small quantities of other energy sources for which consistent historical data are not available, such as solar energy obtained by the use of thermal and photovoltaic collectors, wind energy and geothermal, biomass, and waste energy other than that consumed at the electric utilities.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 7. Based on U.S. Dept. of Energy, Energy Information Administration, State Energy Data Report: 1960 through 1981.

TABLE XIX - 6

CONSUMPTION OF ENERGY: 1980
(trillion Btu)

Item	United States	Montana	Idaho	Wyoming
Sources:				
Total Energy	75,944	366	355	396
Coal	15,492	62	13	282
Natural Gas	20,391	62	50	71
Petroleum	34,204	177	131	199
Nuclear	2,672	0	0	0
Hydroelectric	3,107	103	98	11
Other	114	(N)	0	0
Electricity Exchanges *		-39	62	-166
End-Use Sectors:				
Residential	15,272	61	72	32
Commercial	10,622	43	60	24
Industrial	30,368	173	140	253
Transportation	19,682	89	83	88

(N) - small, non-zero value

* net interstate sales of electricity, including losses

NOTE: Montana's Dept. of Natural Resources & Conservation and the U.S. Dept. of Energy arrive at dissimilar consumption figures. For a comparison of these figures, see the preceding table.

SOURCE: U.S. Dept. of Energy, State Energy Data Report: 1960 through 1980, July, 1982, p. xi.

TABLE XIX - 7

CONSUMPTION OF ENERGY PER CAPITA: 1980
(million Btu)

Item	United States	Montana	Idaho	Wyoming
Resident Population (thousands)	227,158	787	944	471
Total Energy	334	465	376	842
Residential	67	78	76	67
Commercial	47	54	63	51
Industrial	134	220	148	536
Transportation	87	113	88	187

SOURCE: U.S. Dept. of Energy, State Energy Data Report, July 1982.

TABLE XIX - 8

ELECTRIC POWER PLANTS IN MONTANA BY PRIMARY FUEL
JANUARY, 1984

Owner/Operator	Plant	County	Initial Year of Operation (First Unit)	Generation		
				Capacity (megawatts)	Critical Water Year (avg. MW)	Median Water Year (avg. MW)
Hydroelectric Plants:						
MT Power Co.	Lake Creek	Lincoln	1916	5.0	2.3	2.8
MT Power Co.	Black Eagle	Cascade	1927	18.0	14.0	18.0
MT Power Co.	Cochrane	Cascade	1958	50.0	22.0	34.0
MT Power Co.	Flint Creek	Granite	1901	1.1	1.0	1.0
MT Power Co.	Hauser Lake	Lewis & Clark	1907	16.5	12.0	16.0
MT Power Co.	Holter	Lewis & Clark	1918	49.0	24.0	30.0
MT Power Co.	Kerr	Lake	1938	180.0	119.0	128.0
MT Power Co.	Milltown	Missoula	1906	3.4	2.0	2.0
MT Power Co.	Morony	Cascade	1930	47.0	25.0	36.0
MT Power Co.	Mystic Lake	Stillwater	1925	11.5	6.0	6.0
MT Power Co.	Rainbow	Cascade	1910	35.0	29.0	35.0
MT Power Co.	Ryan	Cascade	1915	60.0	41.0	56.0
MT Power Co.	Thompson Falls	Sanders	1915	40.0	35.0	34.0
MT Power Co.	Madison	Madison	1906	8.5	7.0	8.0
Pacific Power & Light Co.	Bigfork	Flathead	1910	4.0	3.0	3.5
Army Corps of Engineers, N. Pacific Div.	Libby	Lincoln	1975	420.0	180.0	220.0
Army Corps of Engineers, Missouri River Division	Fort Peck	McCone	1943	185.0	83.0	119.0
Bureau of Indian Affairs, Flathead Irr. Project	Big Creek	Lake	1928	0.4	(NA)	(NA)
Bureau of Reclamation, Missouri River Division	Canyon Ferry	Lewis & Clark	1953	50.0	33.8	49.9
Bureau of Reclamation Missouri River Division	Yellowtail	Big Horn	1966	250.0	66.1	122.8
Bureau of Reclamation, Pacific Northwest Region	Hungry Horse	Flathead	1952	285.0	96.0	108.0
Washington Water Power Co.	Noxon Rapids	Sanders	1959	396.9	147.9	198.0
Total Hydroelectric Generation:				2,116.3		

TABLE XIX - 8
(cont.)

Owner/Operator	Plant	County	Initial Year of Operation (First Unit)	Generation		Fuel
				Capacity (megawatts)	Average (avg. MW)	
Fossil Fuel Fired Plants:						
MT-Dakota Utilities	Glendive	Dawson	1926	6.7		natural gas
MT-Dakota Utilities	Glendive	Dawson	1979	41.0		natural gas; #2 fuel oil
MT-Dakota Utilities	Lewis & Clark	Richland	1958	51.4		lignite
MT-Dakota Utilities	Miles City	Custer	1972	18.4		natural gas
MT Power Co.	Frank Bird	Yellowstone	1951	69.0	60.0	oil, natural gas
MT Power Co.	J.E. Corette	Yellowstone	1968	173.0	139.0	subbituminous coal
MT Power Co. & Puget Sound Power & Light	Colstrip I	Rosebud	1975	358.0	270.0	subbituminous coal
MT Power Co. & Puget Sound Power & Light	Colstrip II	Rosebud	1976	358.0	270.0	subbituminous coal
MT Power Co. & Puget Sound Power & Light, Portland General Electric, Wash. Water Power, & Pacific Power & Light	Colstrip III	Rosebud	1984	778.0	(NA)	subbituminous coal
Pacific Power & Light	Libby	Lincoln	1972	24.0	0.0	#2 fuel oil
Total Fossil Fuel Fired Generation:				1,877.5		
Other Plants:						
MT Power Co.	Libby	Lincoln	1939	14.3	5.3	wood & waste products
Total Generation for Other Plants:				14.3		

TOTAL MONTANA (NAMEPLATE) GENERATING CAPACITY: 4,008.1 megawatts

(Unless otherwise specified, capacity denotes installed nameplate capacity.)

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, pp. 14 and 15.

MONTANA'S NET ELECTRIC ENERGY GENERATION*
BY TYPE OF FUEL UNIT: 1950-82

Year	Total		Hydroelectric		Coal		Oil		Natural Gas		Wood & Waste	
	Million kWh Generated	Percent of State Total	Million kWh Generated	Percent of State Total	Million kWh Generated	Percent of State Total	Million kWh Generated	Percent of State Total	Million kWh Generated	Percent of State Total	Million kWh Generated	Percent of State Total
1950	3,136	99	3,107	99	(NA)		(NA)		(NA)		(NA)	
1951	3,304	99	3,259	99	(NA)		(NA)		(NA)		(NA)	
1952	3,778	92	3,464	92	(NA)		(NA)		(NA)		(NA)	
1953	3,719	92	3,424	92	(NA)		(NA)		(NA)		(NA)	
1954	4,274	99	4,246	99	(NA)		(NA)		(NA)		(NA)	
1955	4,696	99	4,679	99	(NA)		(NA)		(NA)		(NA)	
1956	5,495	99	5,459	99	(NA)		(NA)		(NA)		(NA)	
1957	5,215	95	4,969	95	(NA)		(NA)		(NA)		(NA)	
1958	4,551	93	4,224	93	(NA)		(NA)		(NA)		(NA)	
1959	4,934	96	4,720	96	(NA)		(NA)		(NA)		(NA)	
1960	5,992	97	5,801	97	(NA)		(NA)		(NA)		(NA)	
1961	6,780	96	6,499	96	263	4	0	0	19	5	0	0
1962	7,051	91	6,410	91	291	4	1	(Z)	349	5	0	0
1963	6,594	91	6,011	91	284	4	0	0	299	5	0	0
1964	7,360	93	6,821	93	286	4	2	(Z)	220	3	31	(Z)
1965	8,882	94	8,389	94	285	3	0	0	171	2	37	(Z)
1966	8,611	92	7,940	92	317	4	43	(Z)	273	3	38	(Z)
1967	9,117	95	8,703	95	314	3	3	(Z)	41	(Z)	56	1
1968	9,495	94	8,925	94	434	5	10	(Z)	52	(Z)	74	1
1969	10,442	90	9,447	90	735	7	52	(Z)	147	1	61	1
1970	10,026	87	8,745	87	966	10	14	(Z)	228	2	73	1
1971	10,653	90	9,595	90	901	8	1	(Z)	96	1	60	1
1972	10,689	88	9,444	88	1,079	10	7	(Z)	108	1	50	(Z)
1973	9,132	82	7,517	82	1,303	14	69	(Z)	195	2	48	1
1974	11,056	88	9,726	88	1,210	11	6	(Z)	98	1	16	(Z)
1975	11,231	85	9,560	85	1,544	14	17	(Z)	96	1	14	(Z)
1976	16,091	77	12,402	77	3,558	22	27	(Z)	67	(Z)	37	(Z)
1977	13,473	63	8,460	63	4,788	36	92	1	87	1	46	(Z)
1978	16,750	70	11,708	70	4,871	29	35	(Z)	84	(Z)	52	(Z)
1979	15,756	66	10,344	66	5,114	32	58	(Z)	188	1	52	(Z)
1980	15,496	64	9,966	64	5,140	33	22	(Z)	351	2	17	(Z)
1981	16,593	68	11,324	68	5,047	30	12	(Z)	175	1	34	(Z)
1982	14,844	74	10,920	74	3,853	26	10	(Z)	33	(Z)	28	(Z)

* Gross generation less the electric energy consumed at the generating station.

(Z) - less than or equal to 0.5 percent

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 17. Based on Federal Power Commission (1950-76); U.S. Dept. of Energy, Energy Information Administration, Power Production, Fuel Consumption and Installed Capacity Data, annual reports for 1977-80, Electric Power Annual, annual reports for 1981-82.

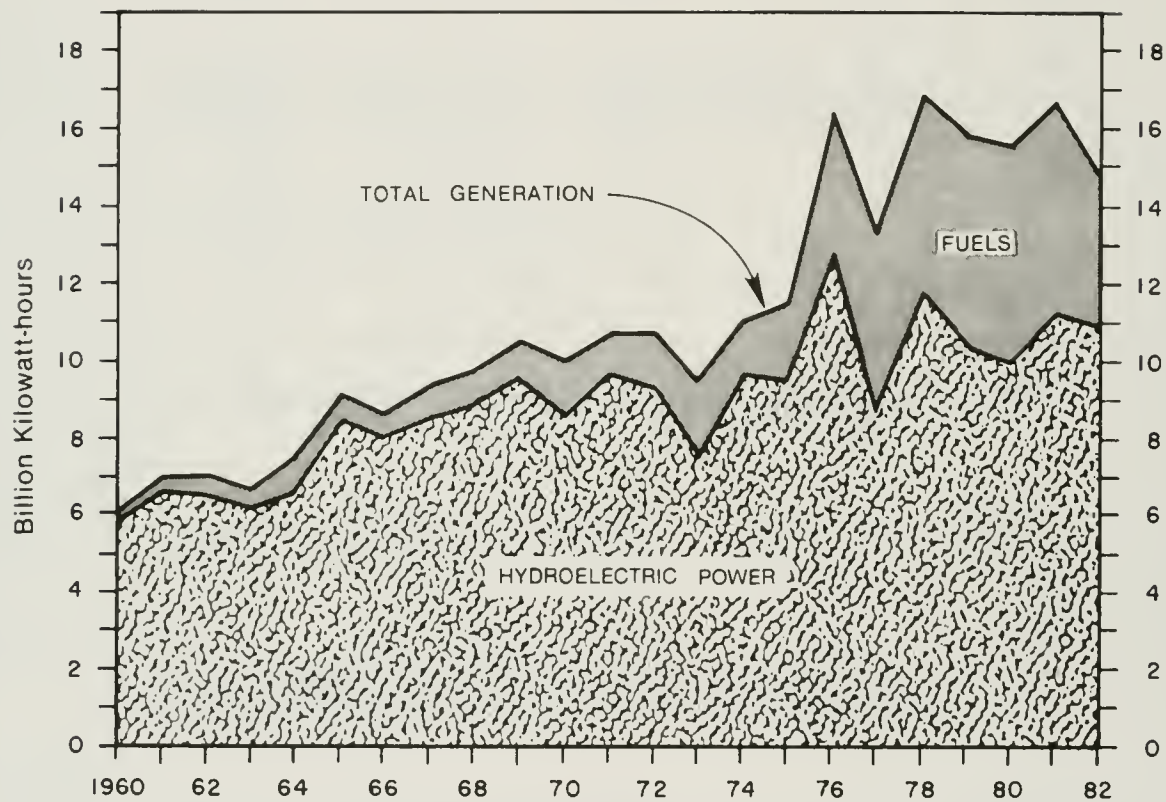


FIGURE XIX-4
ANNUAL GENERATION OF ELECTRICITY, 1960-82

SOURCE: Montana Department of Natural Resources and Conservation, Montana Historical Energy Statistics, 1984.

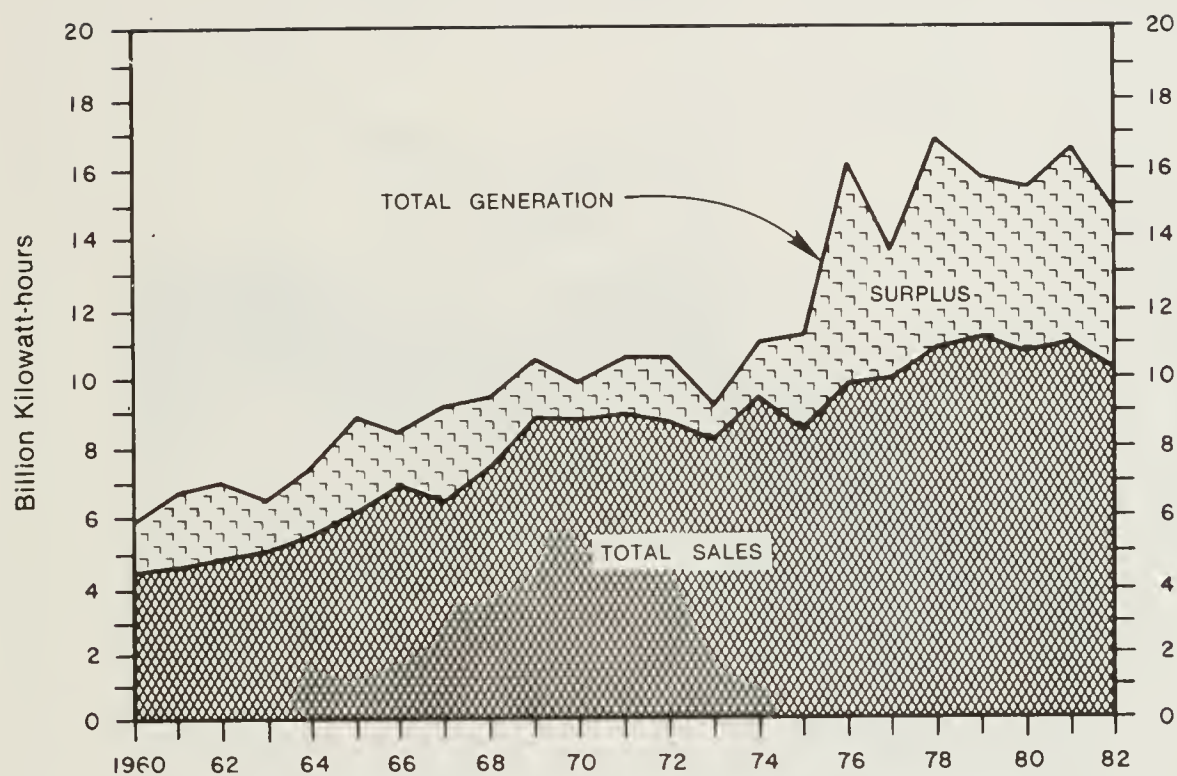


FIGURE XIX-5
ANNUAL GENERATION AND SALES OF ELECTRICITY, 1960-82

SOURCE: Montana Department of Natural Resources and Conservation, Montana Historical Energy Statistics, 1984.

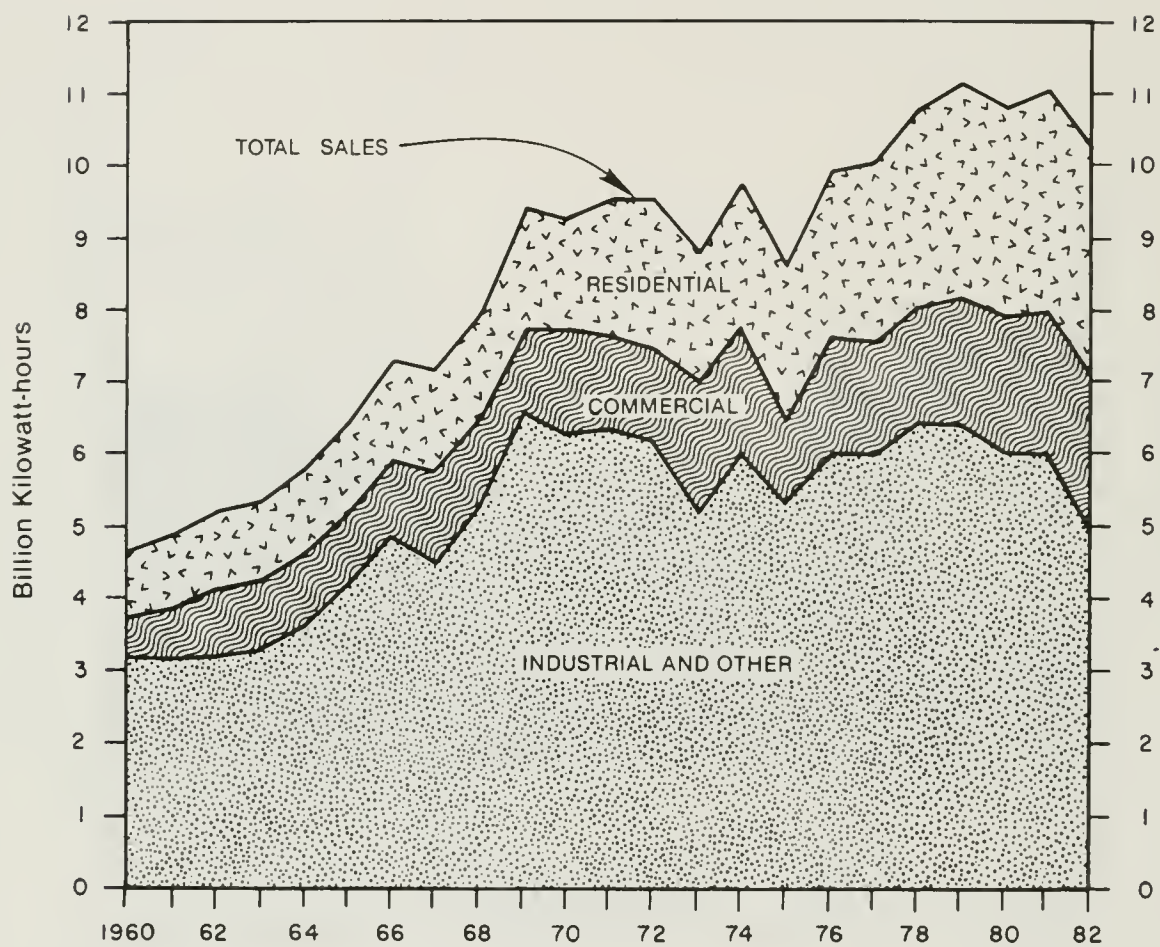


FIGURE XIX-6
ANNUAL SALES OF ELECTRICITY, 1960-82

SOURCE: Montana Department of Natural Resources and Conservation, Montana Historical Energy Statistics, 1984.

TABLE XIX - 10
CONSUMPTION OF ENERGY BY THE COMMERCIAL SECTOR
(trillion Btu)

Year	United States	Montana	Idaho	Wyoming
1960	4,751	26	27	9
1965	5,906	30	31	17
1966	6,392	30	35	20
1967	6,950	32	35	22
1968	7,365	30	38	24
1969	7,865	34	39	26
1970	8,366	37	36	25
1971	8,715	38	43	26
1972	9,164	40	46	29
1973	9,525	41	47	26
1974	9,363	38	49	27
1975	9,449	44	60	22
1976	10,019	44	59	22
1977	10,172	44	63	24
1978	10,478	47	57	25
1979	10,617	48	62	27
1980	10,590	42	59	23
1981	10,655	43	65	24
1982	10,863	46	65	34

NOTE: End-use sector data include electricity sales & associated energy losses.

SOURCE: U.S. Dept. of Energy, Energy Information Administration, State Energy Data Report, 1984.

TABLE XIX - 11

CONSUMPTION OF ENERGY BY THE RESIDENTIAL SECTOR
(trillion Btu)

Year	United States	Montana	Idaho	Wyoming
1960	8,286	32	29	15
1965	10,126	39	34	19
1966	10,666	40	35	20
1967	11,151	40	42	21
1968	11,872	42	44	23
1969	12,726	45	43	27
1970	13,349	48	45	30
1971	13,880	51	49	32
1972	14,527	52	54	36
1973	14,625	53	56	28
1974	14,369	51	59	26
1975	14,457	57	69	27
1976	15,006	58	71	27
1977	15,212	58	74	28
1978	15,621	64	71	33
1979	15,199	64	75	35
1980	15,080	60	70	30
1981	14,621	55	71	32
1982	14,742	62	74	41

NOTE: End-use sector data include electricity sales & associated energy losses.

SOURCE: U.S. Dept. of Energy, Energy Information Administration, State Energy Data Report, 1984.

TABLE XIX - 12
CONSUMPTION OF ENERGY BY THE TRANSPORTATION SECTOR
(trillion Btu)

Year	United States	Montana	Idaho	Wyoming
1960	10,598	57	44	41
1965	12,424	57	50	44
1966	13,088	62	54	44
1967	13,731	57	55	54
1968	14,839	62	56	54
1969	15,480	66	61	57
1970	16,074	68	66	57
1971	16,702	71	68	61
1972	17,695	76	73	61
1973	18,596	84	75	67
1974	18,113	85	77	69
1975	18,240	82	79	66
1976	19,093	88	85	71
1977	19,808	86	88	76
1978	20,589	97	93	85
1979	20,464	92	100	88
1980	19,695	89	83	88
1981	19,497	84	77	88
1982	19,065	81	75	80

NOTE: End-use sector data include electricity sales & associated energy losses.

SOURCE: U.S. Dept. of Energy, Energy Information Administration, State Energy Data Report, 1984.

TABLE XIX - 13

CONSUMPTION OF ENERGY BY THE INDUSTRIAL SECTOR
(trillion Btu)

Year	United States	Montana	Idaho	Wyoming
1960	20,105	102	87	70
1965	24,163	120	119	93
1966	25,447	132	120	94
1967	25,674	119	139	108
1968	26,866	133	155	127
1969	28,056	155	150	143
1970	28,575	155	150	142
1971	28,534	161	153	147
1972	29,809	161	162	157
1973	31,446	155	161	156
1974	30,614	168	170	154
1975	28,333	153	157	170
1976	30,160	170	152	190
1977	31,010	166	145	212
1978	31,350	165	155	230
1979	32,550	200	145	250
1980	30,562	175	137	241
1981	29,205	151	146	226
1982	26,084	118	129	226

NOTE: U.S. industrial sector numbers include net imports of coal coke which was not allocated to the states.

End-use sector data include electricity sales & associated energy losses.

SOURCE: U.S. Dept. of Energy, Energy Information Administration, State Energy Data Report, 1984.

TABLE XIX - 14

YEAR-END PROVED RESERVES* OF CRUDE OIL IN MONTANA
1950 - 1982
(thousand barrels)

Year	American Gas Association		U.S. Dept. of Energy	
	United States	Montana	United States	Montana
1950	25,268,398	111,272		
1951	27,468,031	108,418		
1952	27,960,554	156,181		
1953	28,944,828	208,985		
1954	29,560,746	272,394		
1955	30,012,170	298,948		
1956	30,434,649	331,414		
1957	30,300,405	319,991		
1958	30,535,917	337,799		
1959	31,719,347	309,268		
1960	31,613,211	266,687		
1961	31,758,505	250,909		
1962	31,389,223	248,860		
1963	30,969,990	271,253		
1964	30,990,510	251,620		
1965	31,352,391	274,145		
1966	31,452,127	281,608		
1967	31,376,670	307,972		
1968	30,707,117	345,117		
1969	29,631,862	275,765		
1970	39,001,335	241,529		
1971	38,062,957	228,185		
1972	36,339,408	241,248		
1973	35,299,839	219,343		
1974	34,249,956	207,389		
1975	32,682,127	163,968		
1976	30,942,166	152,670	33,502,000	181,000
1977	29,486,402	151,601	31,780,000	175,000
1978	27,803,760	140,466	31,355,000	158,000
1979	27,051,289	136,590	29,810,000	152,000
1980			29,805,000	179,000
1981			29,426,000	186,000
1982			27,858,000	216,000

NOTE: The American Gas Association (AGA) ceased making independent crude oil reserve estimates in 1979. Beginning in 1980, the AGA reported the reserve estimates calculated by DOE. Both DOE and AGA figures for 1976-79 are shown for comparison purposes.

* Proved reserves are the estimated amount of oil that geologic and engineering data indicate is recoverable from known reservoirs under present economic and operating conditions.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 60. Based on American Petroleum Institute (1950-76); American Gas Association, Gas Facts, 1977-79 and U.S. Dept. of Energy, Energy Information Administration, U.S. Crude Oil and Natural Gas Reserves, annual reports for 1977-88 and U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, annual reports for 1979-82.

TABLE XIX - 15

ESTIMATES OF CRUDE OIL PROVED RESERVES IN MONTANA
BY REGION, 1955-83
(thousand barrels)

As of Jan. 1 of the year	Region						Total
	North	South Central	Central	South east	North east	Misc.	
1955							289,742
1956							333,782
1957							343,411
1958							321,566
1959							325,484*
1960							297,993*
1961							254,946
1962							334,074
1963							341,225*
1964							371,929*
1965	147,007	69,895	29,637		161,504		408,043
1966	144,281	61,516	38,668		163,101		407,566
1967	137,638	56,828	39,424		159,470		393,360
1968	128,131	53,366	37,820	64,417	168,760		452,494
1969	121,999	35,913	29,906	97,497	166,742		452,057
1970	115,782	33,995	27,085	84,534	168,385		429,781
1971	121,160	29,703	26,698	77,045	170,508		425,114
1972	114,369	29,036	28,518	71,183	171,235		414,341
1973	102,484	18,917	25,704	64,751	154,271		366,127
1974	91,421	14,394	29,651	56,670	141,864		334,000
1975	76,739	10,996	26,688	47,336	148,241		310,000
1976	47,619	10,336	32,957	38,629	125,459		255,000
1977	43,119	9,581	31,647	29,922	118,726		232,500
1978	41,133	9,916	30,671	38,272	113,011		233,000
1979	40,884	13,054	27,895	26,055	130,037	2,080	240,005
1980	38,079	12,255	25,133	24,261	132,216	4,086	236,000
1981	39,174	13,029	21,855	17,669	153,604	2,669	248,000
1982	25,678	5,204	17,051	15,519	139,618	10	203,080
1983	27,443	4,378	11,307	13,251	166,341	32	228,560

* Two of the source publications were biennial rather than annual, and in each of these publications there was only one estimate of the crude oil reserves. Crude oil reserves for the two "missing" years have been interpolated from data values in the adjacent years.

The regions shown correspond to the following geological basins:

North	Sweetgrass Arch & Bearpaw Uplift
Northeast	Williston Basin
Central	Big Snowy Uplift
South Central	Big Horn Basin
Southeast	Powder River Basin

NOTE: Totals may not add exactly, due to rounding.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 61. Based on Oil and Gas Division, Annual Review, 1955-82.

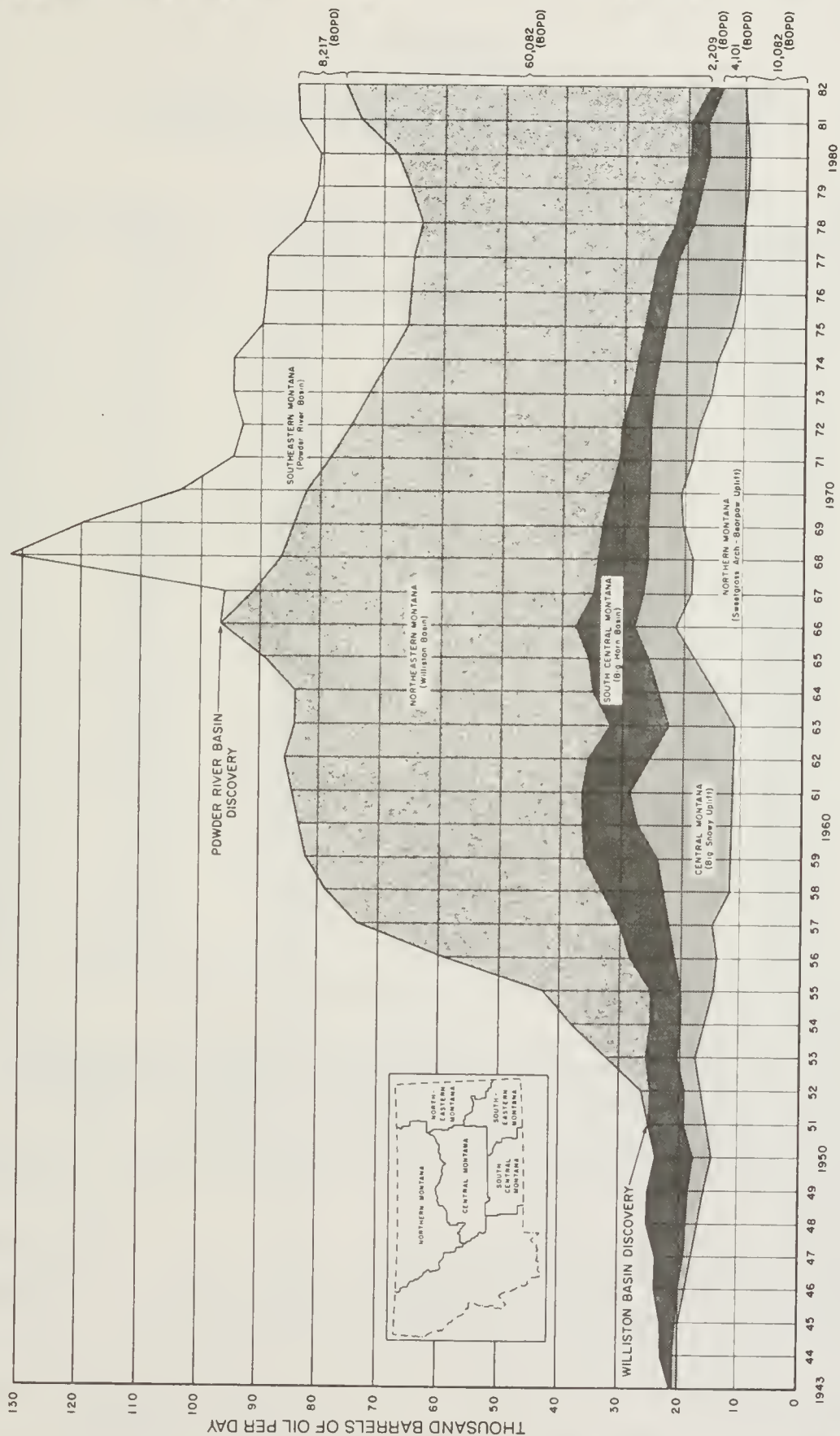


FIGURE XIX-7
CRUDE OIL PRODUCTION, 1943-82

SOURCE: Montana Department of Natural Resources and Conservation, Oil and Gas Conservation Division, *Annual Review*, 1982.

TABLE XIX - 16

CRUDE OIL PRODUCTION & AVERAGE WELLHEAD PRICES: 1950-82
(in thousands of barrels and dollars per barrel)

Year	MT Dept. of Nat. Res.		U.S. Dept. of Interior		MT Dept. of Revenue	
	Production of Crude Oil	Wellhead Price	Production of Crude Oil	Wellhead Price	Production of Crude Oil	Wellhead Price
1950	8,109			\$ 2.52	7,841	\$ 2.47
1951	8,958			2.47	8,814	2.35
1952	9,606			2.25	9,527	2.26
1953	11,920			2.18	11,793	2.23
1954	14,195			2.20	14,023	2.22
1955	15,654			2.26	16,548	2.18
1956	21,760			2.58	21,262	2.47
1957	27,122			2.70	26,658	2.43
1958	27,957			2.65	27,816	2.62
1959	29,857			2.56	29,985	2.50
1960	30,240			2.41	29,937	2.45
1961	30,906			2.42	30,499	2.42
1962	31,648			2.42	31,270	2.44
1963	30,870			2.44	30,364	2.44
1964	30,647			2.43	30,241	2.45
1965	32,778			2.43	32,089	2.44
1966	35,380			2.44	34,734	2.45
1967	34,959			2.50	34,316	2.50
1968	48,460			2.57	47,152	2.56
1969	43,954			2.69	44,446	2.76
1970	37,879			2.78	38,058	2.83
1971	34,599			3.01	34,625	3.05
1972	33,904		33,904	3.07	34,572	2.99
1973	34,620		34,620	3.33	34,584	3.85
1974	34,554		34,554	6.65	34,629	6.82
1975	32,844		32,844	7.83	32,815	7.83
1976	32,814		32,814	8.42	32,057	8.49
1977	32,680		32,680	8.58	30,696	9.07
1978	30,467		30,467	9.25	30,935	9.31
1979	29,957	12.39	29,957	12.39	30,286	13.00
1980	29,584	22.24	29,584	22.24	29,927	20.92
1981	30,813	34.73	30,813	34.69	30,518	34.48
1982	30,917	31.26	30,921	31.24	30,938	31.14

NOTE: Average wellhead prices were computed by dividing the gross value of production by the number of barrels extracted.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 62. Based on Montana DNRC, Oil & Gas Conservation Division Annual Review, 1950-82. The Montana DNRC acknowledges discrepancies in its data. For 1982, the difference between the amount of Montana oil available for refining in Montana (calculated as the amount of oil produced in Montana less the amount of Montana oil exported) and the amount of Montana oil delivered to refineries in Montana was 132,000. Of this, 69,000 barrels were presumed lost or used by producers and 30,000 barrels were presumed to be in tank storage at the oil fields. The remaining 33,000 barrels are unaccounted for, but constitute only one-tenth of 1 percent of the 1982 Montana production.

U.S. Dept. of the Interior, Bureau of Mines, Mineral Industry Surveys, Crude Petroleum, Petroleum Products, and Natural Gas Liquids, annual reports for 1950-75; U.S. Dept. of Energy, Energy Information Admin., Crude Petroleum, Petroleum Products, and Natural Gas Liquids, annual reports for 1976-80; Petroleum Supply Annual, annual reports for 1981-82 for 1981 and 1982 production figures; phone call for 1981 and 1982 wellhead prices. DOE used the reported state figures for the years 1972-80 in its publications. In 1982 DOE went to independent estimates for its data. These independent estimates, which may appear in future DOE publications, are as follows: 1979 - 31,224 thousand barrels and \$12.03 per barrel; 1980 - 30,193 thousand barrels and \$20.53 per barrel; 1981 - 31,040 thousand barrels.

Montana Dept. of Revenue, Property Assessment Division (1950-81); Montana Dept. of Revenue, Research & Information Division, 1982).

TABLE XIX - 17

MAIN LINE SALES OF NATURAL GAS BY STATE: 1981
(million cubic feet)

State	Type of Sale				Total Sales
	Firm	Offpeak	Interruptible	Not Specified	
Alabama	46,131	0	10,552	0	56,683
Arizona	65,527	0	0	0	65,527
Arkansas	133,930	0	7,913	0	141,843
Colorado	87	0	277	19,396	19,760
Delaware	1,989	0	1,683	1,671	5,343
Florida	21,926	0	115,776	0	137,702
Georgia	3,496	0	17,924	0	21,420
Illinois	16,996	0	30,941	0	47,937
Indiana	2	0	3,482	0	3,484
Iowa	8,079	0	844	0	8,923
Kansas	31,514	0	44,427	13,475	89,416
Kentucky	13,664	0	84	0	13,748
Louisiana	217,522	0	6,155	534	224,211
Maryland	0	0	172	72	244
Michigan	9,945	0	2,120	00	12,065
Minnesota	21,884	0	3,927	0	25,811
Mississippi	84,788	0	1,151	0	85,939
Missouri	4,171	0	12,928	241	17,340
Montana	0	0	2,903	0	2,903
Nebraska	15,277	0	1,918	12,256	29,451
Nevada	51,241	0	0	0	51,241
New Hampshire	144	0	67	0	211
New Jersey	0	0	0	1,780	1,780
New Mexico	17,934	0	169	0	18,103
North Dakota	0	0	273	0	273
Ohio	5	3,823	4,476	0	8,304
Oklahoma	987	0	11,379	381	12,747
Pennsylvania	12,379	1,573	0	0	13,952
South Carolina	2,541	0	1,839	0	4,380
South Dakota	1	0	491	0	492
Tennessee	20,309	0	15,855	0	36,164
Texas	28,786	0	187,662	0	216,448
Virginia	172	0	768	121	1,061
Washington	3,409	0	0	0	3,409
West Virginia	679	0	803	48	1,530
Wyoming	136	0	7,699	914	8,749
Total:	835,651	5,396	496,658	50,889	1,388,594

SOURCE: U.S. Dept. of Energy, Energy Information Administration, Natural Gas Monthly, June 1984.

TABLE XIX - 18

PRODUCING GAS & GAS CONDENSATE WELLS, MONTANA
1966 - 1982

Year	Number of Wells	Year	Number of Wells
1966	784	1975	1,235
1967	648	1976	1,490
1968	1,196	1977	1,438
1969	1,098	1978	1,755
1970	739	1979	1,881
1971	1,056	1980	1,881
1972	1,116	1981	2,140
1973	1,118	1982	2,111
1974	1,450		

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 57. Based on U.S. Dept. of the Interior, Bureau of Mines, Mineral Industry Surveys, Natural Gas Production and Consumption, annual reports (1966-75); U.S. Dept. of Energy, Energy Information Administration, Natural Gas Production and Consumption, annual reports for 1976-79; U.S. Dept. of Energy, Energy Information Administration, Natural Gas Annual, annual reports for 1980-82.

TABLE XIX - 19

MONTANA'S INDUSTRIAL CONSUMPTION OF NATURAL GAS BY
STANDARD INDUSTRIAL CLASSIFICATION CODE: 1977-81
(million cubic feet)

Group	Description	1977	1978	1979	1980	1981
10-14	Mining	711	699	368	366	430
20	Food & Kindred Products	2,255	1,384	1,806	1,743	1,784
24	Lumber & Wood Products	1,311	867	758	521	214
26	Paper & Allied Products	3,601	3,854	3,782	3,766	3,482
27	Printing & Publishing	188				
28	Chemicals & Allied Products	1,377	1,027	903	1,185	962
29	Petroleum & Coal Products	5,045	3,366	2,673	2,591	4,353
32	Stone, Clay, Glass & Concrete Products	2,248	2,276	1,303	431	296
333-339	Primary Nonferrous Metals	8,069	6,853	7,311	4,978	3,102
37	Transportation Equipment	314	339	364	302	
40-49	Transportation & Public Utilities					1,607
Other SIC Classes and Not Classified or Unreported		688	991	821	1,466	1,224
Total Industrial Consumption:		25,807	21,656	20,089	17,349	17,454

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 56. Based on: Gas Requirements Agency, University of Denver Research Institute, United States Gas Consumption 1977, September 1978; Gas Requirements Agency, Mellon Institute of Research, Future Gas Consumption in the United States 1979, September 1980 (supplement to Vol. 8 of Future Gas Consumption in the United States); Gas Requirements Committee, Future Gas Consumption in the United States, Vol. 9, August 1982; Gas Requirements Committee, Actual Gas Consumption in the United States 1981, November 1982 (supplement to Vol. 9 of Future Gas Consumption in the United States).

TABLE XIX - 20

MONTANA'S CAPACITY AND PRODUCTION OF
NATURAL GAS PROCESSING PLANTS: 1961-82

As of 12/31 of the Year	Number of Plants	Input (million c.f./day)		Average Production (gallons/day)								
		Gas Capacity	Gas Throughput	Propane	Normal or Unsplit Butane	Liquefied Petroleum		Raw Natural Gas Liquid		Debutanized Natural Gasoline	Other	Total Products
						Gas Mix	Gas Mix	Mix	Mix			
1961	2	66.2	32.0	8,000	8,600	--	--	39,400	--	--	--	56,000
1962	2	65.8	27.4	9,400	8,000	--	--	37,000	--	--	--	54,400
1963	2	65.8	21.9	6,100	6,400	--	--	32,200	--	--	--	44,700
1964	2	55.8	23.3	6,800	7,600	--	--	38,700	--	--	--	53,100
1965	2	55.8	24.3	3,700	8,900	--	--	38,400	--	--	--	51,000
1966	5	66.8	32.9	30,800	9,200	6,000	6,000	77,240	--	--	--	123,240
1967	5	360.9	272.9	23,325	9,000	25,370	25,370	47,155	--	--	--	104,850
1968	5	107.8	82.5	32,500	9,000	15,000	15,000	54,900	--	--	--	111,400
1969	4	68.8	57.0	37,500	9,000	15,000	15,000	75,000	--	--	--	136,500
1970	7	75.8	42.7	40,800	11,000	--	--	60,500	35,680	--	--	147,980
1971	6	73.3	40.3	33,550	9,400	6,000	6,000	59,400	9,590	--	--	117,940
1972	4	44.3	29.6	24,900	9,400	--	--	43,500	9,500	--	--	87,390
1973	4	44.3	21.3	28,727	6,026	17,000	17,000	13,576	--	--	--	65,329
1974	4	45.3	20.6	30,786	8,260	--	--	9,000	10,466	17,000	--	75,512
1975	4	44.3	26.1	31,200	9,100	--	--	9,000	8,350	16,000	--	73,650
1976	8	56.3	28.5	30,300	9,600	24,000	24,000	16,000	22,600	--	--	102,500
1977	6	53.5	30.6	20,800	12,200	17,000	17,000	16,600	10,500	--	--	77,100
1978	7	54.5	26.1	21,700	12,900	11,000	11,000	16,500	10,000	--	--	72,100
1979	8	62.9	28.3	26,800	11,200	--	--	43,700	--	--	--	81,700
1980	8	60.9	36.3	32,300	10,600	--	--	54,800	--	400	--	98,100
1981	9	58.8	35.5	27,800	7,900	10,000	10,000	50,500	--	800	--	97,000
1982	9	63.3	37.8	30,600	12,100	5,000	5,000	43,200	8,400	1,000	--	100,300

NOTE: Since this compilation includes cycling plants reprocessing pipeline gas, totals shown here for gas throughput do not relate directly to government data on total gas processed or sold. Similarly, liquids production figures are based on yearly average and do not necessarily reconcile with government data.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 55. Based on Oil and Gas Journal, annual gas processing report issue (1961-82).

MONTANA'S NATURAL GAS PRODUCTION & CONSUMPTION: 1950-82
(million cubic feet)

Year	Gross Withdrawal	Marketed Production	Consumption	Gas Delivered			Electric Utilities	Other Consumers	Total
				Residential	Commercial	Industrial			
1950	40,975	38,972	38,333	12,596	7,536	13,979	892	(NA)	35,002
1951	36,897	36,225	37,276	12,287	7,379	15,047	884	(NA)	35,598
1952	29,140	28,557	41,545	12,263	7,794	17,422	998	(NA)	38,476
1953	28,245	27,736	40,953	12,029	7,544	16,559	1,237	(NA)	37,368
1954	30,532	30,087	41,002	13,314	8,277	14,909	601	(NA)	37,101
1955	28,841	28,100	47,861	15,335	9,427	18,240	630	(NA)	43,631
1956	26,852	25,706	48,305	15,235	9,314	18,226	876	(NA)	43,651
1957	30,830	28,481	54,868	16,725	10,116	18,429	2,954	(NA)	48,224
1958	30,830	27,836	54,725	14,970	9,546	18,960	3,183	(NA)	46,659
1959	32,819	30,575	51,898	17,310	11,124	16,438	1,005	(NA)	45,877
1960	37,792	33,235	54,271	16,825	11,820	19,558	339	(NA)	48,543
1961	36,798	33,716	57,465	17,086	12,140	21,404	354	(NA)	50,985
1962	32,621	29,791	62,952	17,078	12,302	21,713	3,692	(NA)	54,785
1963	31,228	29,862	66,969	17,274	12,569	24,613	3,285	(NA)	57,740
1964	26,653	25,050	67,282	18,792	13,059	26,419	2,437	(NA)	60,706
1965	29,800	28,105	70,895	19,908	14,110	28,310	1,992	(NA)	64,320
1966	36,048	30,685	73,829	19,690	14,068	29,571	2,977	(NA)	66,306
1967	31,610	25,866	65,782	19,756	13,090	22,584	502	2,426	58,358
1968	32,229	19,313	63,642	19,711	11,529	23,155	631	2,122	57,148
1969	68,064	41,229	78,988	21,463	14,239	31,917	1,520	2,354	71,493
1970	48,302	42,705	90,823	24,794	15,520	36,105	2,529	3,044	81,992
1971	38,136	32,720	89,021	25,379	15,734	36,800	1,075	2,375	81,363
1972	38,137	33,474	85,161	23,787	16,521	33,192	1,218	2,630	77,348
1973	60,931	56,175	91,148	24,923	16,786	37,898	2,322	2,357	84,286
1974	59,524	54,873	80,766	21,590	14,353	35,202	1,111	2,249	74,505
1975	44,547	40,734	80,351	24,097	16,233	31,631	1,059	2,421	75,441
1976	45,097	42,563	78,094	23,525	15,490	31,049	709	2,341	73,114
1977	48,181	46,819	70,956	21,596	14,626	27,260	953	2,080	66,515
1978	48,497	46,522	72,649	22,944	15,548	26,686	909	2,218	68,305
1979	56,094	53,888	69,805	22,579	15,255	20,411	2,320	2,141	62,706
1980	53,802	51,867	60,724	19,296	13,612	16,717	4,182	653	54,460
1981	58,502	56,565	52,452	17,245	12,572	15,494	2,069	1,153	48,533
1982	58,184	56,517	52,208	19,989	15,987	11,574	337		47,887

NOTE: Marketed Production represents gross withdrawals of natural gas from gas and oil wells, less gas used for repressuring, nonhydrocarbon gases removed, and quantities vented and flared.

For 1979 and prior years, the volumes of nonhydrocarbon gases included in marketed production were not reported. For 1980 and 1981, the amount of nonhydrocarbon gases removed was not available for Montana data, so DOE used the same figure for Montana's marketed production including nonhydrocarbon gases as is used for marketed production excluding nonhydrocarbon gases.

Consumption is defined as total gas delivered to consumers, plus lease and plant fuel, plus pipeline fuel.

Industrial use includes refinery use of gas, but excludes pipeline fuel.

Other Consumers includes delivery to municipalities and public authorities for institutional heating, street lighting, etc. This category was not used before 1967; it was included in Industrial Consumption before that year. This category was merged with the Commercial category in 1982.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 53. Based on U.S. Dept. of the Interior, Bureau of Mines, Mineral Industry Surveys, Natural Gas Production and Consumption, annual reports for 1950-75; U.S. Dept. of Energy, Energy Information Administration, Natural Gas Production and Consumption, annual reports for 1976-79, and Natural Gas Annual, annual reports for 1980-82.

TABLE XIX - 22

MONTANA'S PRODUCTION AND AVERAGE WELLHEAD PRICE
OF NATURAL GAS: 1950-1982

Year	MT DNRC Est. Production (mill. cu.ft.)	MT DOR Est. Production (mill. cu.ft.)	Avg. Wellhead Price (¢/thou. cu.ft.)
1950	39,708	39,010	5.0
1951	39,038	36,123	5.3
1952	30,409	27,939	5.7
1953	31,779	28,592	6.3
1954	31,150	29,765	6.0
1955	30,468	30,227	5.2
1956	29,536	28,350	6.1
1957	32,979	31,413	6.0
1958	31,327	27,689	6.5
1959	31,585	30,551	6.0
1960	35,381	30,411	6.8
1961	34,884	32,407	6.4
1962	28,973	29,417	6.1
1963	27,113	25,504	6.6
1964	25,234	23,592	6.6
1965	27,873	26,285	6.5
1966	32,414	29,041	8.1
1967	31,619	29,276	7.9
1968	31,917	28,831	8.8
1969	41,229	37,804	7.2
1970	37,445	35,225	8.1
1971	38,137	28,775	8.2
1972	35,606	32,171	10.0
1973	58,896	56,383	15.9
1974	51,401	41,753	25.2
1975	44,546	41,664	39.4
1976	45,098	42,449	44.0
1977	48,181	45,245	72.0
1978	47,140	46,759	83.7
1979	53,888	54,969	120.2
1980	53,802	53,520	143.6
1981	50,073	48,654	190.0
1982	50,932	48,338	210.2

Average wellhead price is computed by dividing the gross value of the gas produced by the volume produced

NOTE: DNRC production data are based on reports by gas producers, which exclude gas vented or flared and gas used in pressuring. Production equals the U.S. Dept. of Interior, Bureau of Mines marketed production, except that some gas withdrawn from storage facilities in Montana may be included in the DNRC data. Department of Revenue (DOR) data are based on tax receipts received from industry.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 47. Based on: Montana Dept. of Natural Resources & Conservation, Oil & Gas Conservation Division, Annual Review, 1950-82; and Montana Dept. of Revenue, Property Assessment division (1950-81), Research & Information Division (1982).

TABLE XIX - 23

MONTANA'S YEAR-END NATURAL GAS PROVED RESERVES: 1950-79
(million cubic feet)

Year	Nonassociated	Associated or Dissolved	Underground Storage	Total Gas
1950	718,722	69,839	4,470	793,031
1951	696,554	119,533	7,522	823,609
1952	693,916	119,631	9,562	823,109
1953	612,965	117,937	28,949	759,851
1954	573,496	116,183	30,122	719,801
1955	560,565	125,067	30,178	715,810
1956	546,049	115,906	30,614	692,569
1957	512,583	119,311	34,914	666,808
1958	508,851	132,295	37,163	678,309
1959	492,162	128,880	40,835	661,877
1960	462,532	105,362	54,883	622,777
1961	435,178	104,319	53,601	593,098
1962	419,128	98,958	82,085	600,171
1963	399,266	103,558	95,307	598,131
1964	384,278	99,287	106,704	590,269
1965	373,440	103,672	118,740	595,852
1966	383,346	102,239	134,765	620,350
1967	550,681	138,454	148,583	837,718
1968	579,572	174,266	157,695	911,533
1969	799,770	147,927	162,511	1,110,208
1970	793,283	141,854	164,786	1,099,923
1971	715,195	127,032	182,334	1,024,561
1972	790,660	92,628	180,748	1,064,036
1973	821,513	85,625	185,311	1,092,449
1974	676,749	81,272	143,239	901,260
1975	686,350	73,912	169,724	929,986
1976	876,452	67,435	162,383	1,106,270
1977	815,862	67,428	160,692	1,043,982
1978	768,683	65,779	157,206	991,668
1979	807,645	63,483	164,963	1,036,091

NOTE: Proved reserves are the estimated amounts of natural gas that geologic and engineering data indicate are recoverable from known reservoirs under present economic and operating conditions.

Natural gas is classified into two categories, based on type of occurrence in reservoirs, as follows: Nonassociated gas is defined as free natural gas not in contact with crude oil in the reservoir. Associated or dissolved gas is the combined volume of natural gas that occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with the crude oil (dissolved).

Since 1973 only the recoverable portion of natural gas in underground storage has been reported.

Joint American Gas Association, Canadian Petroleum Association, and American Petroleum Institute publication of the yearly reserves of natural gas and natural gas liquids ceased after 1979. Rather than develop independent reserve estimates, these organizations now publish the reserve estimates calculated by the U.S. Dept. of Energy.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, based on American Gas Association, Gas Facts, years indicated.

TABLE XIX - 24

MONTANA YEAR-END PROVED RESERVES OF
NATURAL GAS AND NATURAL GAS LIQUIDS: 1976-82

Year	Natural Gas (wet after lease separation) (bill. cf)	Nonassociated Natural Gas (wet after lease separation) (bill. cf)	Associated Dissolved Natural Gas (wet after lease separation) (bill. cf)	(Dry) Natural Gas (bill. cf)	Natural Gas Liquids (mill. bls)
1976		761	45	806	
1977	867	838	49	867 [*]	
1978	926	893	33	926	42
1979	837	786	51	825	10
1980	1,308 ^{**}	1,186	122	1,287 ^{**}	16
1981	1,336 ^{**}	1,247	89	1,321 ^{**}	11
1982	870	789	81	647	18

^{*}

^{**} Volumes for 1978 were neither fully dry nor fully wet after lease separation.

^{***} Reported on a dry basis prior to 1979.

^{***} Estimate is associated with a sampling error (95% confidence interval) that exceeds 20 percent of the estimated value.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 46. Based on U.S. Dept. of Energy, Energy Information Administration, U.S. Crude Oil and Natural Gas Reserves, annual reports for 1977-78; U.S. Crude Oil, Natural Gas, and Natural Gas Liquid Reserves, annual reports for 1979-82. The 1976 data appears in the 1977 annual report.

TABLE XIX - 25

DEMONSTRATED RESERVE BASE* OF COAL BY RANK
JANUARY 1, 1982
(million short tons)

State	Anthracite	Bituminous	Subbituminous	Lignite	Total
Alabama		4,118.9		1,083.0	5,201.9
Alaska		697.5	5,441.0	14.0	6,152.6
Arizona		381.9			381.9
Arkansas	104.1	288.4		25.7	418.1
Colorado	25.5	9,044.7	3,962.7	4,189.9	17,222.8
Georgia		3.6			3.6
Idaho		4.4			4.4
Illinois		78,769.3			78,769.3
Indiana		10,510.0			10,510.0
Iowa		2,195.9			2,195.9
Kansas		990.9			990.9
Kentucky, Eastern**		12,564.8			12,564.8
Kentucky, Western**		20,947.0			20,947.0
Maryland		809.9			809.9
Michigan		127.7			127.7
Missouri		6,056.2			6,056.2
Montana		1,385.4	103,198.7	15,764.5	120,348.6
New Mexico	2.3	2,053.1	2,647.1		4,702.5
North Carolina		10.7			10.7
North Dakota				9,908.5	9,908.5
Ohio		18,944.8			18,944.8
Oklahoma		1,623.8			1,623.8
Oregon			17.5		17.5
Pennsylvania	7,079.2	22,926.0			30,005.2
South Dakota				366.1	366.1
Tennessee		952.8			952.8
Texas				13,480.3	13,480.3
Utah		6,422.6	1.1		6,423.7
Virginia	125.5	3,196.7			3,322.2
Washington		303.7	1,157.2	8.1	1,469.0
West Virginia		39,346.8			39,346.8
Wyoming		4,447.5	65,227.1		69,674.6
US Total	7,336.6	249,125.0	181,652.4	44,840.0	482,954.0

* Includes measured and indicated resource categories as defined by the Energy Information Administration and represents 100 percent of the coal in place.

** Eastern Kentucky is in the Appalachian coal producing region; western Kentucky is in the U.S. interior coal producing region. Because coal reserves are calculated by region, these figures are shown separately.

NOTE: The coal reserve base consists of coal in the ground that was considered to be technically and economically minable on January 1, 1982. The amount of coal that can be recovered from the reserve base is termed the reserve. Recoverability ranges from 40 to 90 percent, depending on the characteristics of the coalbed, the mining method, and restraints imposed on the mining operation by natural and manmade features and restrictions. On a national basis, at least half of the coal reserve base, more than 200 billion tons, was estimated to be recoverable.

State geological and mineral resource surveys and other geological reports were used to update the U.S. Dept. of Energy, Energy Information Administration's Demonstrated Reserve Base of Coal in the United States on January 1, 1980. The update accounts for depletion due to mining during 1980 and 1981, revisions based on the data sources determined to be suitable under demonstrated reserve base (DRB) criteria, and adjustments using existing data sources in context with changes in DRB criteria or basic data interpretations.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984, p. 34. Based on U.S. Dept. of Energy, Energy Information Administration, Coal Production, annual report for 1982.

TABLE XIX - 26

MONTANA COAL PRODUCTION & AVERAGE MINE PRICE
BY RANK OF COAL: 1950-82

Year	Production (thousand tons)			Average Mine Price (dollars/ton)		
	Subbituminous	Lignite	Total	Subbituminous	Lignite	Total
1950	2,468	52	2,520	\$ 2.30	\$ 3.37	\$ 2.33
1951	2,310	35	2,345	2.61	3.51	2.63
1952	2,039	31	2,070	2.80	3.70	2.81
1953	1,848	25	1,873	2.64	3.77	2.66
1954	1,491	(NA)	(NA)	2.79	(NA)	(NA)
1955	1,217	30	1,247	3.01	3.82	3.03
1956	820	26	846	4.11	3.70	4.10
1957	387	26	413	5.33	3.80	5.23
1958	211	94	305	5.94	2.34	4.84
1959	152	193	345	7.06	2.08	4.28
1960	113	200	313	6.87	2.06	3.79
1961	97	274	371	6.76	2.01	3.26
1962	78	304	382	6.90	1.99	2.98
1963	53	290	343	7.51	1.95	2.82
1964	46	300	346	7.40	1.95	2.68
1965	63	301	364	7.24	1.96	2.88
1966	91	328	419	7.10	1.96	3.08
1967	65	300	365	(NA)	(NA)	(NA)
1968	189	330	519	3.12	1.89	2.33
1969	722	308	1,030	2.18	2.03	2.13
1970	3,124	323	3,447	1.83	2.13	1.86
1971	6,737	327	7,064	1.79	2.27	1.82
1972	7,899	322	8,221	2.01	2.45	2.02
1973	10,411	314	10,725	2.83	2.60	2.82
1974	13,775	331	14,106	3.91	3.00	3.90
1975	21,620	520	22,140	5.06	5.04	5.06
1976	25,919	312	26,231	(NA)	(NA)	4.90
1977	29,020	300	29,320	(NA)	(NA)	5.30
1978	26,290	310	26,600	(NA)	(NA)	7.37
1979	32,343	333	32,676	(D)	(D)	9.76
1980	29,578	369	29,948	(D)	(D)	10.50
1981	33,341	204	33,545	(D)	(D)	12.14
1982	27,708	174	27,882	(D)	(D)	13.57

NA - Not available

D - Withheld to avoid disclosure of individual firms

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984. Based on U.S. Bureau of Mines (1950-76); U.S. Dept. of Energy, Energy Information Administration (1977-78); U.S. Dept. of Energy, Energy Information Administration, Coal Production, annual reports for 1979-82.

TABLE XIX - 27

RECEIPTS OF MONTANA COAL AT ELECTRIC UTILITY PLANTS*: 1973-82
(thousand short tons)

Year	Received at Montana Utilities			Received at Out-of-State Utilities	Total
	Subbituminous	Lignite	Montana Total		
1973			882.0	9,741.0	10,623.0
1974			822.0	13,114.0	13,936.0
1975			1,197.0	20,180.0	21,377.0
1976			2,316.0	22,642.0	24,958.0
1977			3,223.0	22,730.0	25,954.0
1978	3,033.0	298.3	3,331.3	22,976.0	26,307.3
1979	3,207.0	303.9	3,510.9	24,612.8	28,123.7
1980	3,071.0	292.8	3,363.8	24,560.9	27,924.7
1981	3,129.0	210.1	3,339.1	26,633.8	29,972.9
1982	2,424.0	177.1	2,601.1	25,439.2	28,040.3

* Plants of 25-megawatt capacity or larger.

SOURCE: Montana Dept. of Natural Resources & Conservation, Montana Historical Energy Statistics, 1984. Based on Federal Energy Regulatory Commission (formerly the Federal Power Commission), Form 423 (1973-77); U.S. Dept. of Energy, Energy Information Administration, Cost and Quality of Fuels for Electric Utility Plants, annual reports for 1978-82.

TABLE XIX - 28

DESTINATION OF MONTANA COAL DELIVERED TO
STEAM-ELECTRIC PLANTS*: 1978-82
(thousand short tons)

State of Destination	1978	1979	1980	1981	1982
Illinois	5,688.2	4,106.4	3,693.5	2,669.0	2,145.6
Indiana	1,202.0	813.0	1,157.0	735.0	1,504.0
Iowa	223.6	180.4	207.3	256.6	213.4
Kansas		5.8			
Kentucky	50.4				
Michigan	3,309.0	3,727.0	3,426.0	5,398.0	3,702.5
Minnesota	10,007.1	11,449.5	10,737.7	10,664.4	10,038.7
Montana	3,331.3	3,510.9	3,363.8	3,339.1	2,601.1
Nebraska			41.4		
North Dakota		3.3			
Texas		1,609.0	2,722.7	4,385.4	5,372.7
Wisconsin	2,495.7	2,718.5	2,575.3	2,525.4	2,462.3
Total:	26,307.3	28,134.7	27,924.7	29,972.9	28,040.3

* Plants 25 megawatts or greater.

SOURCE: Montana Dept. of Natural Resources & Conservation, Historical Energy Statistics, 1984, p. 42. Based on U.S. Dept. of Energy, Energy Information Administration, Cost and Quality of Fuels for Electric Utility Plants, annual reports for 1978-82.

TABLE XIX - 29

DISTRIBUTION OF COAL FOR USE IN MONTANA: 1974-82
(thousand short tons)

Year	Electric Utilities	Residential and Commercial	Industrial	Total
1974	843	9	55	907
1975	1,203	7	42	1,252
1976	2,452	5	108	2,565
1977	3,225	1	182	3,408
1978	3,334	4	183	3,522
1979	3,513	3	214	3,731
1980	3,462	14	182	3,658
1981	3,318	7	253	3,578
1982	2,619	9	197	2,824

SOURCE: Montana Dept. of Natural Resources & Conservation, Historical Energy Statistics, 1984, p. 43. Based on U.S. Dept. of the Interior, Bureau of Mines, Mineral Industry Surveys, Bituminous Coal and Lignite Distribution, annual reports for 1974-76; U.S. Dept. of Energy, Energy Information Administration, Bituminous Coal and Lignite Distribution, quarterly reports for 1977, annual report for 1978; Bituminous and Subbituminous and Lignite Distribution, annual report for 1979; and Coal Distribution, annual reports for 1980-82.

CHAPTER XX

FOREST PRODUCTS

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FOREST PRODUCTS EMPLOYMENT* & LABOR INCOME IN MONTANA

Item	1970	1971	1972	1973	1974	1975	1976
Employment:							
Lumber & Wood Prod.	8,241	8,639	8,762	9,014	9,176	8,368	9,124
Paper & Allied Prod.	(D)	(D)	(D)	924	672	806	582
Total:	(D)	(D)	(D)	9,938	9,848	9,174	9,706
Labor Income** (thousands of current dollars):							
Lumber & Wood Prod.	\$66,955	\$77,415	\$81,967	\$90,939	\$101,733	\$103,410	\$127,375
Paper & Allied Prod.	(D)	(D)	(D)	12,094	9,383	11,105	11,297
Total:	(D)	(D)	(D)	\$103,033	\$111,116	\$114,515	\$138,672
Labor Income** (thousands of constant 1983 dollars):							
Lumber & Wood Prod.	\$154,612	\$171,356	\$175,082	\$183,771	\$186,685	\$176,284	\$206,585
Paper & Allied Prod.	(D)	(D)	(D)	24,440	17,218	18,931	18,322
Total:	(D)	(D)	(D)	\$208,210	\$203,904	\$195,215	\$224,907
Item	1977	1978	1979	1980	1981	1982	1983
Employment:							
Lumber & Wood Prod.	9,946	10,750	10,913	9,235	8,772	7,115	8,812
Paper & Allied Prod.	603	658	712	809	836	801	865
Total:	10,549	11,408	11,625	10,044	9,608	7,916	9,677
Labor Income** (thousands of current dollars):							
Lumber & Wood Prod.	\$156,909	\$192,557	\$205,008	\$181,258	\$185,000	\$156,391	\$208,073
Paper & Allied Prod.	11,096	14,735	17,441	23,142	\$26,318	25,429	30,211
Total:	\$168,005	\$207,292	\$222,449	\$204,400	\$211,318	\$181,820	\$238,284

TABLE XX - 1
(cont.)

Item	1977	1978	1979	1980	1981	1982	1983
Labor Income** (thousands of constant 1983 dollars):							
Lumber & Wood Prod.	\$240,601	\$275,856	\$269,475	\$216,294	\$203,167	\$162,161	\$208,073
Paper & Allied Prod.	17,014	21,109	22,926	27,615	28,902	26,367	30,211
Total:	\$257,615	\$296,966	\$292,401	\$243,910	\$232,069	\$188,528	\$238,284

(D) - Withheld to avoid disclosure of individual firms.

- * Excluding proprietors' employment.
 ** Including proprietors' income.

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, August 1984 and Keegan, Jackson & Johnson, Montana's Forest Products Industry, 1983, for 1981 lumber and wood products employment and income. Constant 1983 dollars by the Census & Economic Information Center, using the GNP implicit price deflator for personal consumption expenditures. Paper products employment and labor income, which are normally suppressed, are published here with the written permission of the industry's dominant firm.

FIGURE XX-1 **MONTANA FOREST PRODUCTS** **EMPLOYMENT & LABOR INCOME: 1970-1983**

Figure XX-1a
Forest Products Employment

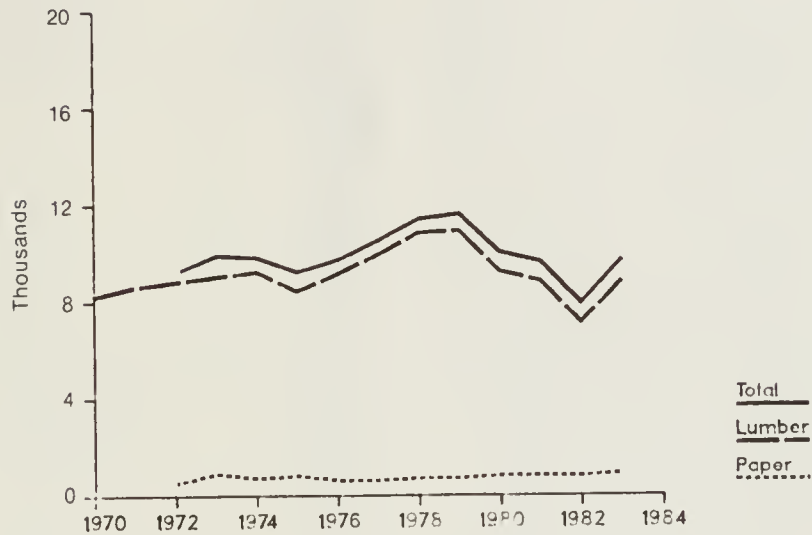


Figure XX-1b
Forest Products Labor Income



Source: U.S. Bureau of Economic Analysis.

FIGURE X-2 MONTANA WOOD PRODUCTS INDUSTRY

Figure XX-2a

Wages of Production Workers by Month
1982-1984

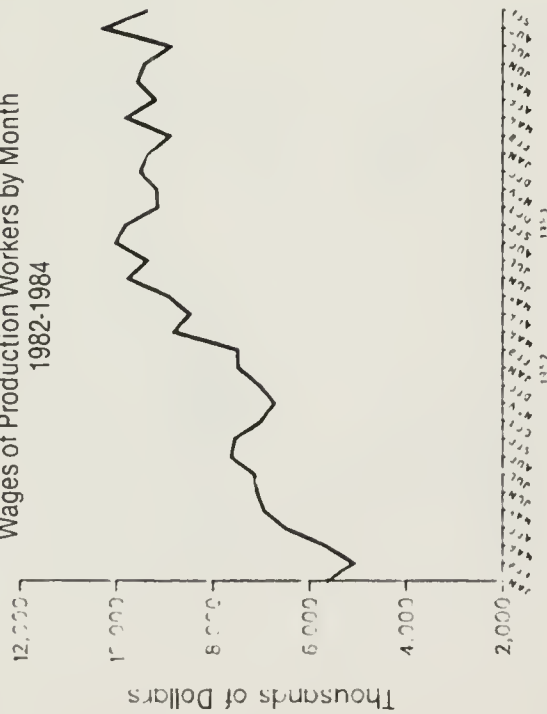


Figure XX-2b

Production Workers by Month
1982-1984

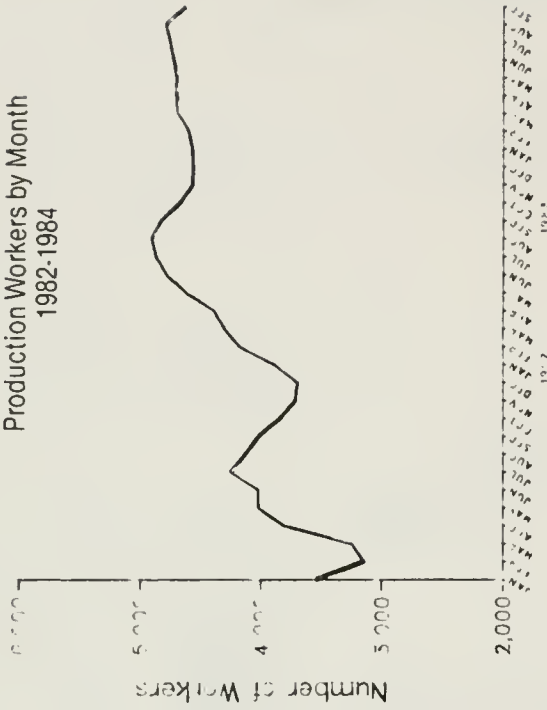
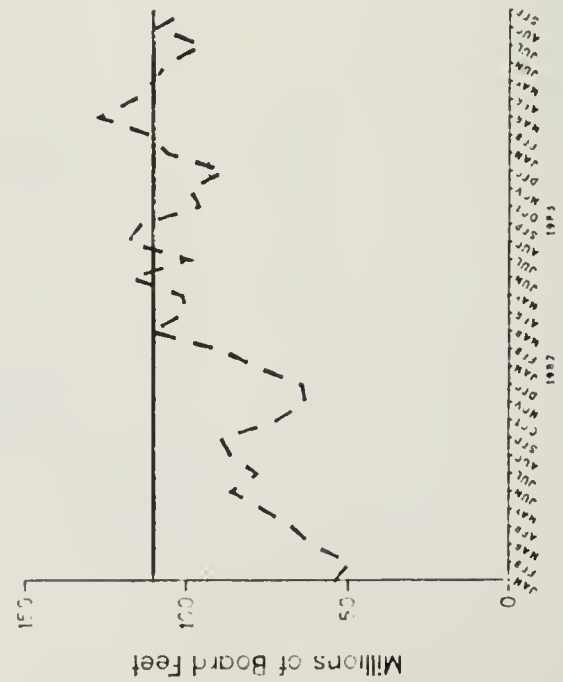


Figure XX-2c

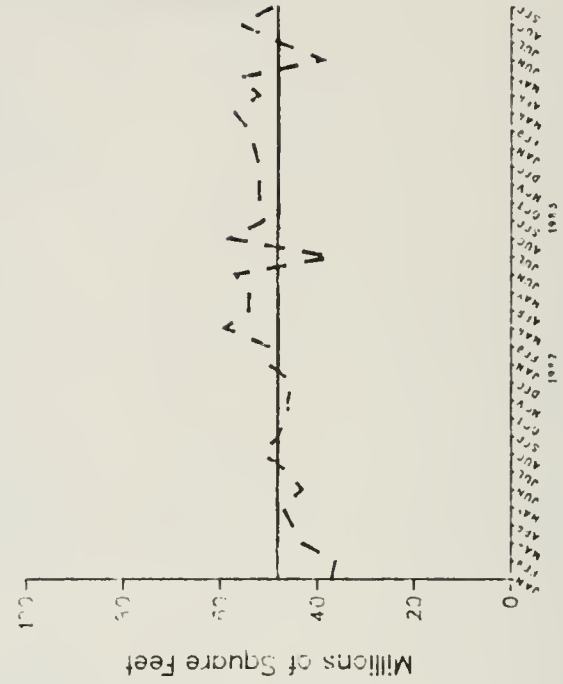
Montana Monthly Lumber Production
1982-1984



Capacity
Production
Normal

Figure XX-2d

Montana Monthly Plywood Production
1982-1984



Capacity
Production

TABLE XX - 2

MONTANA SAWMILLS, PLYWOOD PLANTS, PULP & BOARD MILLS,
& UTILITY POLE PLANTS: 1982 - 1984

Date	Mills Operating at Normal Levels (number)	Total Production Workers*	Total Production Wages* (000)	Lumber Production (MMBF)**	Plywood Production (MMSF)***
01/82	5	3,542	\$ 5,636	54	37
02/82	5	3,149	5,077	49	36
03/82	5	3,247	5,646	61	43
04/82	12	3,813	6,492	67	45
05/82	12	4,021	6,943	76	47
06/82	14	4,021	7,083	86	43
07/82	22	4,239	7,135	78	46
08/82	21	4,125	7,603	86	51
09/82	18	4,021	7,518	89	48
10/82	15	3,837	6,997	72	46
11/82	15	3,715	6,712	63	46
12/82	16	3,696	7,025	64	45
Total:	(X)	(X)	\$79,867	845	533
01/83	26	3,888	\$ 7,465	78	50
02/83	29	4,178	7,469	90	50
03/83	31	4,306	8,792	111	59
04/83	29	4,387	8,467	100	54
05/83	31	4,624	8,908	101	54
06/83	32	4,779	9,738	117	57
07/83	34	4,868	9,342	99	37
08/83	33	4,902	9,991	118	58
09/83	33	4,826	9,790	114	51
10/83	31	4,672	9,130	96	52
11/83	28	4,564	9,149	99	52
12/83	28	4,562	9,486	88	52
Total:	(X)	(X)	\$107,727	1,211	626

TABLE XX - 2
(cont.)

Date	Mills Operating at Normal Levels (number)	Total Production Workers*	Total Production Wages* (000)	Lumber Production (MMBF)**	Plywood Production (MMSF)***
01/84	29	4,569	\$ 9,296	106	53
02/84	32	4,602	8,869	111	54
03/84	32	4,685	9,770	127	57
04/84	31	4,700	9,181	116	52
05/84	31	4,696	9,542	110	56
06/84	28	4,723	9,396	106	39
07/84	28	4,749	8,849	95	48
08/84	29	4,787	10,234	109	56
09/84	28	4,629	9,334	99	49
Total:	(X)	(X)	\$84,471	979	464

(X) - not applicable

NOTE: The mills included in the survey account for approximately 90 percent of the total production of the wood products industry in the state.

* includes production workers at sawmills, plywood plants, pulp & board mills, & utility pole plants. Does not include nonproduction workers (such as managers, clerical workers, or private contractors).

** million board feet, lumber tally

***million square feet, 3/8-inch basis

SOURCE: Bureau of Business & Economic Research, Forest Industries Information System, University of Montana, 1984.

NUMBER OF ACTIVE WOOD PRODUCTS PLANTS BY COUNTY & PRODUCT PRODUCED
IN MONTANA: 1981

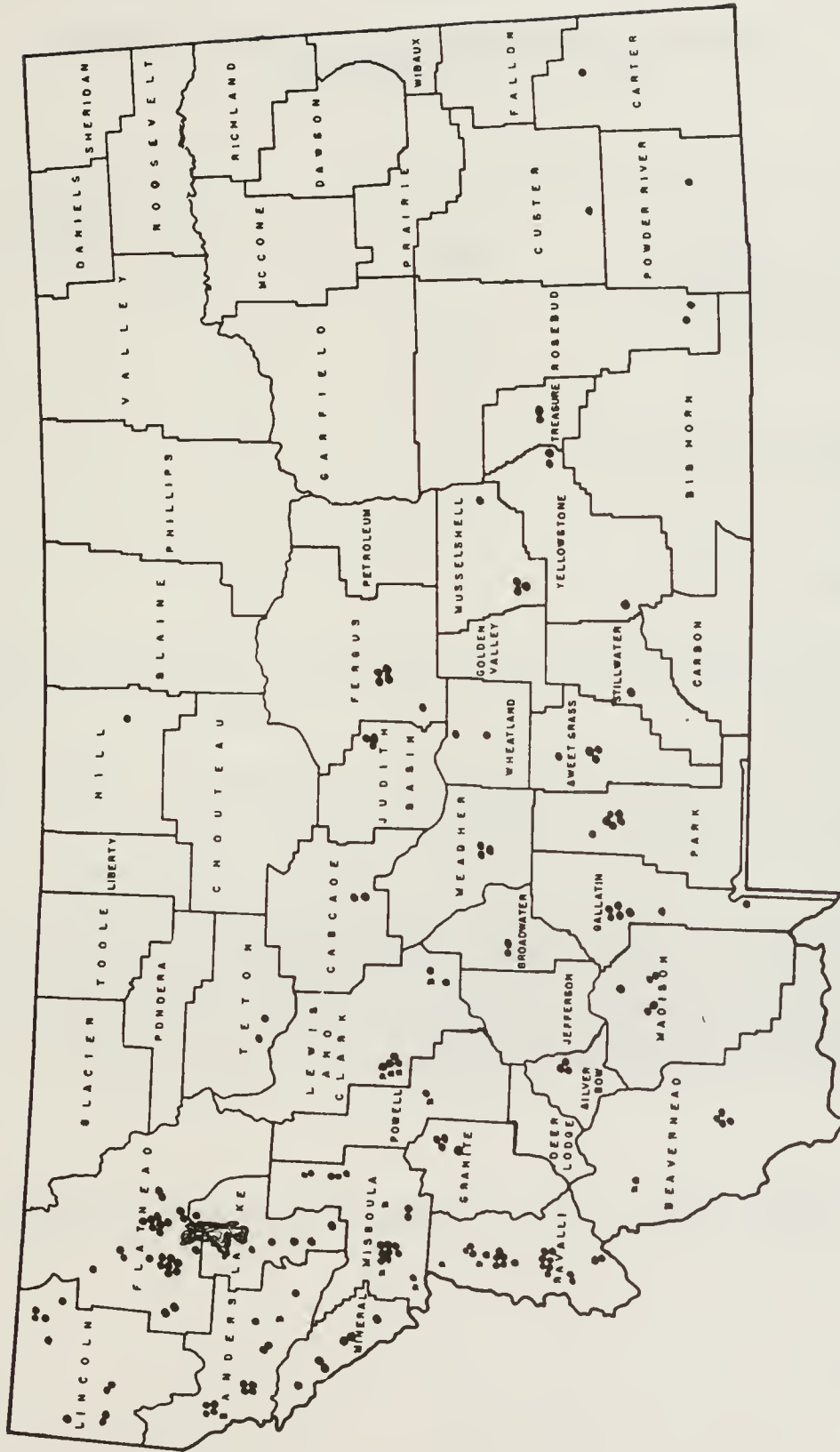
County	Lumber	Plywood	Particleboard & Fiberboard	Pulp & Paper	Posts & Poles	House Logs	Cedar Products	Utility Poles
Beaverhead	4	0	0	0	2	0	0	0
Broadwater	1	0	0	0	1	0	0	0
Carter	1	0	0	0	0	0	0	0
Cascade	2	0	0	0	0	0	0	0
Custer	1	0	0	0	0	0	0	0
Fergus	5	0	0	0	2	0	0	0
Flathead	31	2	1	0	6	3	1	1
Gallatin	3	0	0	0	2	3	0	0
Granite	5	0	0	0	1	0	0	0
Hill	0	0	0	0	1	0	0	0
Jefferson	3	0	0	0	2	1	0	0
Judith Basin	1	0	0	0	1	0	0	0
Lake	6	0	0	0	1	0	0	0
Lewis & Clark	7	0	0	0	2	1	0	0
Lincoln	6	1	0	0	0	0	5	0
Madison	3	0	0	0	2	1	0	0
Meagher	2	0	0	0	1	0	0	0
Mineral	5	0	0	0	1	0	1	0
Missoula	9	1	1	1	2	4	1	0
Musselshell	3	0	0	0	1	0	0	0
Park	6	0	0	0	0	0	0	0
Powell	2	0	0	0	0	0	0	0
Powder River	1	0	0	0	0	0	0	0
Ravalli	8	0	0	0	3	12	0	0
Rosebud	2	0	0	0	0	0	0	0
Sanders	11	0	0	0	1	2	0	0
Silver Bow	3	0	0	0	1	0	0	1
Stillwater	1	0	0	0	0	0	0	0

TABLE XX - 3
(cont.)

County	Lumber	Plywood	Particleboard & Fiberboard	Pulp & Paper	Posts & Poles	House Logs	Cedar Products	Utility Poles
Sweet Grass	4	0	0	0	0	0	0	0
Teton	2	0	0	0	0	0	0	0
Treasure	1	0	0	0	0	0	0	0
Wheatland	1	0	0	0	1	0	0	0
Yellowstone	2	0	0	0	1	0	0	0
State Totals:	142	4	2	1	35	27	8	3

SOURCE: Keegan, Jackson & Johnson, Montana's Forest Products Industry, 1983, p. 7.

FIGURE XX-3
Location of Active Wood Products Plants
Montana, 1981



Source: University of Montana, Bureau of Business and Economic Research, Montana Forest Industries Data Collection System (Missoula, Montana, 1983).

TABLE XX - 4

SALES VALUE OF MANUFACTURED WOOD PRODUCTS IN MONTANA
1976 & 1981
(in millions of 1981 dollars)

Product	1976	1981	Percent of Total	
			1976	1981
Lumber, structural timbers, & railroad ties	\$281.2	\$220.2	48	39
Plywood	121.3	93.8	21	17
Pulp, paper, particleboard, & fiberboard	150.6	213.8	26	38
House logs	7.5	7.7	1	1
Post & poles	2.6	5.5	1	1
Cedar Products	3.0	3.9	1	1
All other manufactured wood products	13.5	16.5	2	3
State Totals:	\$597.7	\$561.4	100	100

NOTE: All sales are reported F.O.B. manufacturer's plant. Other manufactured wood products include laminated beams, molding, cut stock, utility poles, & other wood products manufactured at the primary processing facility. Dollar figures deflated by the producer price deflator for lumber & wood products & pulp, paper & allied products. The percentage detail may not add to 100 because of rounding.

SOURCE: Keegan, Jackson & Johnson, Montana's Forest Products Industry, 1983, p. 8.

TABLE XX - 5

NUMBER OF SAWMILLS BY SIZE OF PRODUCTION, MONTANA
SELECTED YEARS 1956 - 1981

Year	Annual Production			Total Mills
	Under 10 MMBF	10 MMBF to 50 MMBF	Over 50 MMBF	
1956	304	26	--*	330
1966	111	37	--*	148
1973	86	22	7	115
1976	68	24	6	98
1981	114	23	5	142

* Mills with lumber production in excess of 50 MMBF have been included in the 10 MMBF to 50 MMBF category for these years.

SOURCE: Keegan, Jackson & Johnson, Montana Forest Products Industry, 1983, p. 12. Based on [1956 & 1973] Dennis L. Schweitzer, Robert E. Benson & Richard McConnen, A Descriptive Analysis of Montana's Forest Resources, Resource Bulletin INT-11 (Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Forest & Range Experiment Station, January, 1975). [1966] Theodore Setzer & Alvin K. Wilson, Timber Products in the Rocky Mountain States, 1966, Resource Bulletin INT-9 (Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Forest & Range Experiment Station, 1970). [1976, 1981] Bureau of Business & Economic Research, University of Montana, Montana Forest Industries Data Collection System [Missoula, Montana, 1983].

TABLE XX - 6

MONTANA LUMBER PRODUCTION BY COUNTY: 1975 - 1983
(in million board feet)

County	1975	1976	1977	1978	1979	1980	1981	1982	1983
Beaverhead-Callatin-Madison-Park	57	82	111	104	97	62	90	82	133
Broadwater-Fergus-Jefferson- Judith Basin-Lewis & Clark- Meagher-Teton-Wheatland	80	77	89	105	108	83	86	67	80
Carbon-Musselshell-Powder River- Rosebud-Stillwater	12	9	7	6	8	6	7	5	6
Flathead	149	201	184	196	215	213	210	181	287
Granite-Powell-Ravalli	100	110	111	122	108	92	70	52	92
Lake-Mineral-Sanders	232	239	251	242	221	153	176	146	231
Lincoln	178	232	240	217	235	149	187	161	248
Missoula	230	247	257	264	265	225	206	201	239
Total:	1,038	1,197	1,250	1,256	1,257	983	1,032	895	1,316

SOURCE: Western Wood Products Association, 1983 Statistical Yearbook of the Western Lumber Industry,
August 1984, p. 23.

MONTANA LUMBER PRODUCTION BY COUNTY & SPECIES: 1983
(in million board feet)

County	Total	Ponderosa Pine	Douglas Fir & Larch	Hem- Fir	Idaho White Pine	Sugar Pine	Engel. Spruce	Ldgpl. Pine	Other
Beaverhead-Gallatin- Madison-Park	133	0	38	0	0	0	11	29	55
Broadwater-Fergus- Jefferson-Judith Basin-Lewis & Clark- Meagher-Wheatland	80	9	32	0	0	0	0	21	18
Musselshell-Powder River-Rosebud	6	6	0	0	0	0	0	0	0
Flathead	287	22	83	(Z)	9	0	21	89	63
Granite-Powell-Ravalli	92	5	31	4	0	0	0	45	7
Lake-Mineral-Sanders	231	35	94	28	7	0	33	23	11
Lincoln	248	29	70	2	4	0	32	60	51
Missoula	239	88	85	17	0	0	29	20	0
Total:	1,316	194	433	51	20	0	126	287	205

(Z) - less than 500,000 board feet

NOTE: Because of rounding, county figures may not add to totals.

SOURCE: Western Wood Products Association, 1983 Statistical Yearbook of the Western Timber Industry, August 1984, p. 21.

TABLE XX - 8

LUMBER PRODUCTION IN LEADING STATES: 1974-82
(million board feet)

State	1974	1975	1976	1977	1978	1979	1980	1981	1982
Oregon	7,007	6,342	7,335	7,509	7,416	7,312	5,784	5,115	4,682
California*	4,599	4,153	4,824	5,052	4,853	4,639	3,768	3,224	2,987
Washington	3,222	3,104	3,661	4,031	4,150	3,841	3,161	3,243	3,059
Idaho	1,626	1,631	1,908	1,976	1,932	1,893	1,391	1,319	1,245
Montana	1,165	1,038	1,197	1,250	1,256	1,257	983	1,032	895
Alabama	1,224	1,161	1,275	1,312	1,316	1,305	1,104	909	875
Arkansas	1,221	1,259	1,320	1,520	1,577	1,428	1,424	1,005	948
North Carolina	1,223	1,078	1,177	1,174	1,210	1,246	1,116	865	783
Georgia	1,085	1,127	1,251	1,285	1,303	1,373	1,121	1,653	1,347
Virginia	984	867	919	957	982	1,166	(NA)	(NA)	(NA)
Mississippi	971	979	1,146	1,230	1,315	1,258	1,102	1,362	1,102
Louisiana	704	678	742	827	756	682	547	490	504
Texas	769	800	861	913	950	862	802	647	686
South Carolina	940	883	955	973	1,021	1,021	919	754	711
Tennessee	768	400	466	599	624	655	620	335	331
Pennsylvania	569	474	545	547	558	569	(NA)	(NA)	(NA)
Kentucky	468	411	423	421	423	415	403	154	166
West Virginia	381	377	406	406	406	540	(NA)	(NA)	(NA)
Michigan	351	317	334	350	365	374	(NA)	(NA)	(NA)
Arizona	306	316	380	392	350	337	301	275	249
New York	283	242	280	308	311	304	(NA)	(NA)	(NA)
Florida	334	278	316	325	329	319	(NA)	(NA)	(NA)
Maine	371	365	442	460	522	486	(NA)	(NA)	(NA)
New Mexico	222	210	242	250	244	227	175	209	182
Wisconsin	367	370	423	494	507	499	(NA)	(NA)	(NA)
Colorado	185	181	230	246	189	170	157	128	118
Ohio	211	170	186	181	201	218	(NA)	(NA)	(NA)
Wyoming	169	162	201	225	202	198	176	197	135
Oklahoma	215	229	204	288	288	256	161	179	165

* Includes Nevada.

NA - Not available

SOURCE: Western Wood Products Association, 1983 Statistical Yearbook of the Western Lumber Industry, August 1984, p. 27. Based on Western States - Western Wood Products Association and California Redwood Association; other U.S. states - Bureau of the Census, Current Industrial Reports, Lumber Production and Mill Stocks, Series MA-24T.

TABLE XX - 9

LUMBER OUTPUT BY SIZE OF MILL, MONTANA
SELECTED YEARS 1956 - 1981

Year	Percentage of Total Lumber Output		Total Lumber Output (MMBF)
	Mills with Annual Production Below 10 MMBF	Mills with Annual Production 10 MMBF & Above	
1956	33	67	979
1962	13	87	1,259
1966	10	90	1,375
1976	4	96	1,176
1981	8	92	1,071

NOTE: MMBF denotes million board feet, lumber tally

SOURCE: Keegan, Jackson, and Johnson, Montana's Forest Products Industry, 1983, p. 13. Based on [1956, 1962, and 1966] Theodore Setzer and Alvin K. Wilson, Timber Products in the Rocky Mountain States, 1966, Resource Bulletin INT-9 (Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Forest and Range Experiment Station, 1970). [1976, 1981] Bureau of Business and Economic Research, University of Montana, Montana Forest Industries Data Collection System (Missoula, Montana, 1983).

TABLE XX - 10

MOVEMENT OF ROUNDWOOD PRODUCTS IN MONTANA
BY COUNTIES OF ORIGIN & RECEIPT: 1981
(thousand board feet, Scribner)

County of Origin	County or State of Destination											Total	
	Lincoln	Flathead	Mineral and Sanders	Lake and Missoula	Ravalli	Beaverhead and Madison	Granite Powell and Silver Bow	Broadwater Lewis & Clark and Meagher	Gallatin	Park	Other Counties		Other States
Lincoln	175,625	32,622	1,282	24,979	0	0	0	0	0	0	0	32,472	266,980
Flathead	1,572	188,541	1,292	51,413	0	0	0	0	0	0	0	1,700	244,518
Sanders	501	0	49,403	41,896	0	0	0	0	0	0	0	843	92,643
Lake	0	3,063	0	25,127	0	0	0	0	68	0	0	0	28,258
Mineral	0	0	23,177	21,869	61	0	0	0	0	0	0	0	45,107
Missoula	0	0	0	115,616	1,235	0	0	2,264	323	0	0	386	119,824
Ravalli	0	0	0	20,183	20,837	0	0	0	0	0	0	0	41,020
Powell	0	100	0	14,948	98	1,735	2,628	2,223	25	0	107	0	20,031
Granite	0	0	0	14,491	0	0	6,565	486	10	0	0	0	23,335
Deer Lodge	0	0	0	32	0	0	7,544	0	97	0	0	0	7,673
Silver Bow	0	0	0	0	317	1,907	20	0	167	0	145	0	2,556
Beaverhead	0	0	0	385	1,421	7,268	0	0	5	0	0	841	9,920
Madison	0	0	0	0	80	2,967	0	0	0	0	0	0	3,047
Lewis & Clark	0	0	0	8,841	0	0	0	17,388	107	0	0	0	26,336
Jefferson	0	0	0	0	0	0	2,786	4,058	206	0	482	0	7,532
Broadwater	0	0	0	0	0	0	0	3,209	3,750	0	0	0	6,959
Meagher	0	0	0	0	0	0	0	16,448	26	0	36	0	16,510
Gallatin	0	0	0	0	1,889	76	0	0	7,344	26,439	0	500	36,248
Park	0	0	0	0	0	0	0	107	1,657	6,553	0	8,317	28,213
Other Counties	0	0	0	101	0	312	0	1,178	0	2,249	23,373	1,000	28,213
Other States	0	0	20,566	13,816	11,660	1,079	25	0	29	5,000	0	0	52,175
Total	177,698	224,326	95,720	353,697	37,598	15,344	19,568	47,361	13,814	40,241	24,143	37,742	1,087,252

SOURCE: Keegan, Jackson, and Johnson, Montana's Forest Products Industry, 1983, p. 34.

DESTINATION OF PRIMARY WOOD PRODUCTS SHIPMENTS IN MONTANA
BY VALUE OF SHIPMENT: 1981

Product	Montana	Rocky Mountain	Far West	North Central	South	Northeast	Canada	Unknown	All Destinations
	Thousands of Dollars								
Lumber	\$27,141	\$32,570	\$17,833	\$75,943	\$24,169	\$11,053	\$4,579	\$22,066	\$215,354
Plywood	3,489	11,426	16,275	33,241	8,474	13,962	6,905	0	93,772
Pulp, paper, particleboard & fiberboard	1,019	28,484	85,582	72,605	15,983	6,888	3,198	0	213,759
House logs	1,387	1,645	1,428	2,672	399	100	0	100	7,731
Posts & poles	2,152	556	1,029	860	0	0	146	715	5,458
Structural timbers & railroad ties	4,082	534	35	84	35	18	72	0	4,860
Cedar products	223	878	100	1,376	823	527	0	0	3,927
All other manufactured wood products	1,637	2,054	421	4,016	4,680	3,392	317	24	16,541
Total	\$41,130	\$78,147	\$122,703	\$190,797	\$54,563	\$35,940	\$15,217	\$22,905	\$561,402
	Percentage of Total								
Lumber	13	15	8	35	11	5	2	10	100
Plywood	4	12	17	35	9	15	7	0	100
Pulp, paper, particleboard & fiberboard	(Z)	13	40	34	7	3	1	0	100
House logs	18	21	18	35	5	1	0	1	100
Posts & poles	39	10	19	16	0	0	3	13	100
Structural timbers & railroad ties	84	11	1	2	1	(Z)	1	0	100
Cedar products	6	22	3	35	21	13	0	0	100
All other manufactured wood products	10	12	3	24	28	21	2	(Z)	100
Total	7	14	22	34	10	6	3	4	100

(Z) - Less than 0.5 percent

SOURCE: Keegan, Jackson, and Johnson, Montana's Forest Products Industry, 1983, p. 49.

TABLE XX - 12

SAWTIMBER UTILIZED & ESTIMATED CAPACITY OF
SAWMILLS, PLYWOOD PLANTS, UTILITY POLE PLANTS, & HOUSE LOG PLANTS
MONTANA: 1976 & 1981

Item	Sawmills	Plywood Plants	Utility Pole & House Log Plants	Total
<u>1976:</u>				
Capacity to Process Sawtimber*	1,259	289	41	1,589
Volume Processed	905	269	23	1,197
Percentage of Total Capacity Utilized	72%	93%	56%	75%
<u>1981:</u>				
Capacity to Process Sawtimber*	1,207	226	50	1,483
Volume Processed	739	224	17	980
Percentage of Total Capacity Utilized	61%	99%	34%	66%

* in MMBF, Scribner

NOTE: Sawtimber refers to saw logs, veneer logs, utility poles, and house logs

SOURCE: Keegan, Jackson, & Johnson, Montana's Forest Products Industry, 1983, p. 53.

TABLE XX - 13

SAWTIMBER UTILIZED & ESTIMATED CAPACITY OF
SAWMILLS, PLYWOOD PLANTS, UTILITY POLE & HOUSE LOG PLANTS
BY COUNTY GROUP IN MONTANA: 1981

County Group	Capacity to Process* Sawtimber	Volume* Processed	Percentage of Total Capacity Utilized	Unutilized Capacity
Flathead, Lake, Lincoln, & Sanders	743	490	66	253
Mineral, Missoula, & Ravalli	399	324	81	75
Beaverhead, Deer Lodge, Granite, Jefferson, Lewis & Clark, Madison, Silver Bow, & Powell	100	63	63	37
Broadwater, Gallatin, Meagher, & Park	168	78	46	90
All other counties	73	25	34	48
State Total:	1,483	980	66	503

* in MMBF, Scribner

NOTE: Sawtimber refers to saw logs, veneer logs, utility poles, & house logs.

SOURCE: Keegan, Jackson, & Johnson, Montana's Forest Products Industry, 1983, p. 54.

TABLE XX - 14

SAWTIMBER UTILIZED & ESTIMATED CAPACITY OF
SAWMILLS, PLYWOOD PLANTS, UTILITY POLE PLANTS, & HOUSE LOG PLANTS
BY SIZE OF PLANT, MONTANA: 1981

Size Class *	Number of Mills in Size Class	Capacity to Process** Sawtimber	Volume ** Processed	Percentage of Total Capacity Utilized	Unutilized** Capacity
A (over 40 MMBF)	11	699	540	77	159
B (over 25 MMBF to 40 MMBF)	11	321	208	65	113
C (over 10 MMBF to 25 MMBF)	15	300	167	56	133
D (over 1 MMBF to 10 MMBF)	43	132	52	39	80
E (1 MMBF and below)	96	31	13	42	18
Totals:	176	1,483	980	66	503

* Based upon annual capacity to process sawtimber
** in MMBF, Scribner

NOTE: Sawtimber refers to saw logs, veneer logs, utility poles, & house logs.

SOURCE: Keegan, Jackson, and Johnson, Montana's Forest Products Industry, 1983, p. 56.

CHAPTER XXI
NONFUEL MINERALS

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NONFUEL MINERAL PRODUCTION* IN MONTANA
(value in thousands of dollars)

Mineral	Unit	1982		1983(P)	
		Quantity	Value	Quantity	Value
Antimony	short tons	209	(D)	250	(D)
Clays	thousand short tons	218	**\$ 8,064	194	\$ 6,205
Copper***	metric tons	64,951	104,245	33,337	56,245
Gem stones		(NA)	225	(NA)	300
Gold***	troy ounces	75,171	28,258	161,436	68,449
Lead***	metric tons	661	372	1,163	556
Lime	thousand short tons	45	2,331	86	(D)
Sand & Gravel (construction)		5,338	12,794	5,000	10,200
Silver***	thousand troy ounces	6,169	49,041	5,708	65,229
Stone (crushed)	thousand short tons	(P)1,400	(P)4,700	872	2,344
Combined value of barite, cement, clays (fire clay, 1982), graphite, gypsum, iron ore, peat, phosphate, rock, sand & gravel (industrial), store (dimension), talc, tungsten ore & concentrate (1982), vermiculite, zinc (1982), & values indicated by symbol (D)			60,723		82,947
Total:			270,853		293,295

(P) - Preliminary

* Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

** Excludes fire clay; value included with "Combined value" figure.

*** Recoverable content of ores, etc.

SOURCES: Bureau of Mines, Mineral Industry Surveys, U.S. Dept. of the Interior, The Mineral Industry of Montana in 1983. Bureau of Mines, U.S. Dept. of the Interior, unpublished data.

CHAPTER XXII

AGRICULTURE

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TABLE XXII - 1

ESTIMATES OF NUMBER OF MONTANA FARM RESIDENTS: 1970 & 1980
(based on 1970 definition of farm*)

Item	1970	1980
Farm Population	82,129	67,546
Percent of the Total Population	11.8%	8.6%

* In 1970 a farm was defined as a place in rural territory with at least \$250 in sales of farm products, plus additional places with 10 or more acres and \$50 or more in sales of farm products.

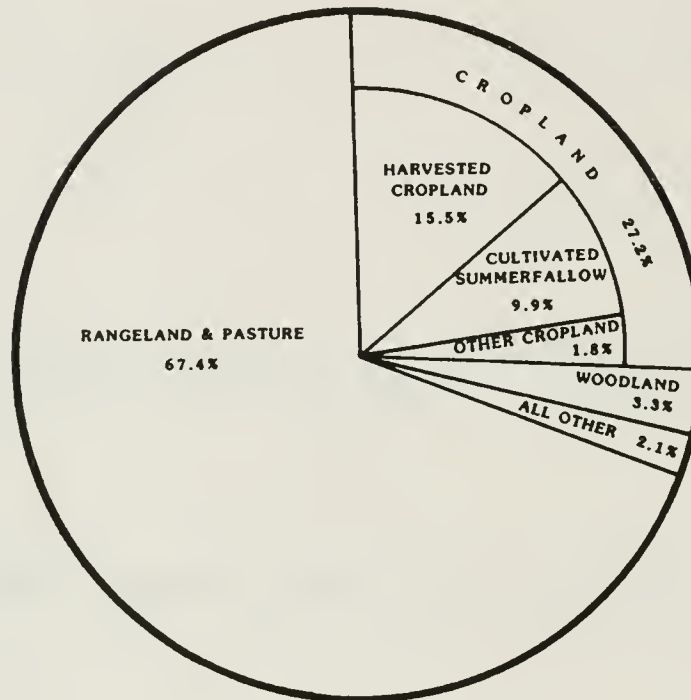
SOURCE: U.S. Bureau of the Census, Census of Population: 1980, Computer Tape; 1970, Supplementary Report PC(S1)-27.

FIGURE XXII-1

LAND IN FARMS & RANCHES (61.3 Million Acres in 1983)

Utilization as Percentage of Total

1982



Source: Montana Crop and Livestock Reporting Service.

TABLE XXII - 2

MONTANA'S RANK IN THE NATION'S AGRICULTURE
AND SELECTED RECORD PRODUCTION

Item	Unit (000)	Period or Date	Rank
Cropland in cultivated summerfallow	5,557 acres	1978 Census	3
Land in farms & ranches	61,300 acres	1983	2
Income from cash receipts, excluding Government payments:			
Total	\$1,503,303	1983	32
Crops	\$846,939	1983	30
Livestock	\$656,364	1983	32
<u>Livestock & Livestock Products:</u>			
All cattle & calves	3,150 head	1/1/84	11
All cows	1,666 head	1/1/84	6
Milk cows	29 head	1/1/84	44
Beef cows	1,637 head	1/1/84	6
Cattle on feed	80 head	1/1/84	23
Hogs & pigs	180 head	12/1/83	28
Sheep & lambs	509 head	1/1/84	8
Wool production	5,141 pounds	1982	7
All chickens	940 birds	12/1/83	41
<u>Crop Production:</u>			
All wheat	136,930 bushels	1983	6
Winter wheat	79,100 bushels	1983	7
Durum wheat	4,100 bushels	1983	4
Spring wheat other than durum	53,730 bushels	1983	3
All hay	4,158 tons	1983	15
Alfalfa hay	2,688 tons	1983	11
Dry beans	37 cwt	1983	16
Barley	77,700 bushels	1983	2
Oats	5,280 bushels	1983	14
Potatoes (fall)	1,800 cwt	1983	20
Sugarbeets	818 tons	1983	7

TABLE XXII - 2
(cont.)

Item	Record Highs	
	Size & Unit (000)	Period or Date
<u>Livestock:</u>		
Cattle & calves	3,380 head	1/1/74
Sheep & lambs	5,736 head	1/1/03
Hogs & pigs	445 head	1/1/44
Chickens	2,738 birds	1/1/44
Honey production	13,184 pounds	1979
<u>Crops:</u>		
All wheat	183,560 bushels	1982
Winter wheat	105,000 bushels	1975
All spring wheat, including durum	92,800 bushels	1982
Durum wheat	18,093 bushels	1956
Barley	77,700 bushels	1983
Oats	25,650 bushels	1915
All hay	5,105 tons	1982
Sugarbeets	1,206 tons	1969
Potatoes	2,871 cwt	1918

SOURCE: Pratt and Lies, Montana Agricultural Statistics, 1984, p. 8.

HIGHLIGHTS OF MONTANA'S AGRICULTURE: 1982 & 1978
(current dollars)

Item	All Farms		Farms w/Sales of \$10,000 or More	
	1982	1978 Percent Change 1978-82	1982 Percent Change 1978-82	1978 Percent Change 1978-82
Farms, number	23,570		15,467	
Land in farms, acres	60,539,209		53,404,255	
Avg. size of farm, acres *	2,568	(2)	3,453	
Value of land & buildings:				
Avg. per farm, dollars	677,995	32.2	906,576	39.8
Avg. per acre, dollars	259	32.8	259	34.2
Farms by size:				
1-9 acres	1,551	23.6	347	4.8
10-49 acres	2,673	41.5	299	47.3
50-179 acres	3,080	3.1	908	7.1
180-499 acres	3,097	-9.4	1,866	-3.1
500-999 acres	2,640	-9.8	2,104	-7.8
1,000-1,999 acres	3,345	-16.6	3,036	-17.6
2,000 or more acres	7,184	1.5	6,907	1.5
Harvested cropland:				
Farms	19,279	-5.1	14,389	-4.7
Acres	9,365,775	7.1	9,079,352	8.1
Irrigated land:				
Farms	9,226	-1.7	6,161	-4.1
Acres	2,023,003	-2.2	1,877,642	-1.9
Market value of agricultural products sold (\$000)	1,547,160	31.4	1,509,841	31.9
Crops, including nursery & greenhouse products:				
Farms	14,227	-6.3	11,515	-4.1
Dollars (000)	759,171	55.4	747,292	56.9
Livestock, poultry & their products:				
Farms	17,175	-1.6	11,689	-5.0
Dollars (000)	787,989	14.4	762,549	14.1
Farms by Standard Industrial Classification:				
Cash grains (011)	7,579	-0.6	6,683	4.9
Field crops, except cash grains (013)	1,696	-10.0	748	-14.6
Vegetables & melons (016)	30	-11.8	7	40.0
Fruits & tree nuts (017)	208	20.2	79	83.7
Horticultural specialties (018)	98	8.9	57	11.8
General farms, primarily crop (019)	717	29.7	337	1.8
Livestock, except dairy, poultry, & animal specialties (021)	11,567	-4.1	7,055	-10.9
Dairy farms (024)	319	3.2	273	-0.4
Poultry & eggs (025)	78	21.9	15	-25.0
Animal specialties (027)	931	89.2	153	12.5
General farms, primarily livestock (029)	347	26.2	60	1.7

TABLE XXII - 3
(cont.)

Item	All Farms		Farms w/Sales of \$10,000 or More	
	1982	1978	1982	1978
			Percent Change 1978-82	Percent Change 1978-82
Tenure of operator:				
Full owners	11,662	10,892	7.1	2.1
Part owners	9,239	9,908	-6.8	-8.2
Tenants	2,669	2,765	-3.5	-1.7
Operators by principal occupation:				
Farming	16,898	16,855	0.3	-1.0
Other	6,672	6,710	-0.6	-21.6
Selected farm production expenses (\$000):				
Feed for livestock & poultry	110,919	108,728	2.0	1.4
Commercial fertilizer **	79,823	64,950	22.9	25.1
Other agricultural chemicals	43,347	27,945	55.1	57.7
Energy & petroleum products	157,696	89,523	76.2	79.1
Hired farm labor	84,462	70,884	19.2	18.7
Livestock & poultry inventory:				
Cattle & calves				
Farms	15,822	15,887	-0.4	-4.5
Number	2,918,599	2,786,829	4.7	3.9
Milk cows				
Farms	2,594	3,183	-18.5	-21.7
Number	29,447	29,306	0.5	1.5
Hogs & pigs				
Farms	1,643	2,433	-32.5	-32.5
Number	195,949	211,350	-7.3	-2.5
Chickens 3+ months old				
Farms	2,824	3,130	-9.8	-21.0
Number	1,022,336	886,813	15.3	16.4
Crops harvested:				
Corn for silage or green chop				
Farms	686	906	-24.3	-21.6
Acres	54,679	72,257	-24.3	-23.5
Wheat for grain				
Farms	9,982	10,726	-6.9	-3.1
Acres	5,215,965	4,799,795	8.7	9.9
Barley for grain				
Farms	8,283	8,274	0.1	3.2
Acres	1,613,964	1,263,343	27.8	29.2
Oats for grain				
Farms	3,118	3,473	-10.2	-9.4
Acres	168,097	173,074	-2.9	-1.7

TABLE XXII - 3
(cont.)

Item	All Farms		Farms w/Sales of \$10,000 or More	
	1982	1978	1982	1978
				Percent Change 1978-82
Sugar beets for sugar Farms	439	538	434	512
Acres	41,123	43,749	41,041	43,395
Hay, alfalfa, other tame, small grain, wild, grass silage, green chop, etc.	14,116	15,374	10,169	11,401
Farms	2,238,390	2,324,110	2,061,000	2,155,365
Acres				
				-15.2
				-5.4
				-10.8
				-4.4

* Data are based on a sample of farms

** Data for 1978 include the cost of lime which was not collected in 1982

SOURCE: U.S. Bureau of the Census, 1982 Census of Agriculture, Montana, p. viii.

TABLE XXII - 4

MONTANA AGRICULTURE, BY TYPE OF OWNERSHIP
1978 & 1982

Ownership	All Agricultural Units			Agricultural Units w/Sales of \$10,000 or More		
	1978	1982	Percent Change 1978-82	1978	1982	Percent Change 1978-82
Individual or Family	19,042	18,842	-1.1	12,286	11,524	-6.2
Partnership	2,305	2,099	-8.9	1,811	1,635	-9.7
Corporation	2,012	2,336	16.1	1,932	2,185	13.1
Other*	206	293	42.2	52	123	136.5
Total:	23,565	23,570		16,081	15,467	
Percent Distribution:						
Individual or Family	80.8%	79.9%		76.4%	74.5%	
Partnership	9.8%	8.9%		11.3%	10.6%	
Corporation	8.5%	9.9%		12.0%	14.1%	
Other*	0.9%	1.2%		0.3%	0.8%	
Total:	100.0%	100.0%		100.0%	100.0%	

* 'Other' includes cooperative, estate or trust, institutional, etc.

SOURCE: U.S. Bureau of the Census, 1982 Census of Agriculture, Montana, p. viii.

TABLE XXII - 5

NUMBER OF FARMS: 1910 - 1984
ALL LAND IN FARMS & AVERAGE SIZE OF FARMS
MONTANA: 1950-84

Year	Number of Farms (000)	Year	Number of Farms (000)
1910	28.8	1930	55.0
1911	31.5	1931	54.5
1912	34.0	1932	54.0
1913	37.0	1933	53.5
1914	40.0	1934	53.0
1915	45.0	1935	52.0
1916	50.0	1936	50.0
1917	54.0	1937	48.0
1918	56.0	1938	46.0
1919	57.0	1939	45.0
1920	57.7	1940	44.5
1921	57.0	1941	42.0
1922	55.0	1942	41.0
1923	52.5	1943	40.8
1924	51.0	1944	40.6
1925	50.0	1945	40.4
1926	51.0	1946	39.8
1927	52.5	1947	39.2
1928	53.5	1948	38.5
1929	54.0	1949	37.8

Year	Number of Farms (000)	All Land in Farms (000 ac.)	Avg. Size of Farms (acres)
1950	37.2	65,000	1,747
1951	36.8	65,200	1,772
1952	36.4	65,500	1,799
1953	35.9	65,800	1,833
1954	35.4	66,100	1,867
1955	34.8	66,100	1,899
1956	34.2	66,200	1,936
1957	33.6	66,300	1,973
1958	33.0	66,500	2,015
1959	32.4	66,600	2,056
1960	31.7	66,700	2,104
1961	30.8	66,800	2,169
1962	30.1	66,800	2,219

TABLE XXII - 5
(cont.)

Year	Number of Farms (000)	All Land in Farms (000 ac.)	Avg. Size of Farms (acres)
1963	29.5	66,800	2,264
1964	28.9	67,200	2,325
1965	28.4	66,700	2,349
1966	28.0	66,200	2,364
1967	27.6	65,700	2,380
1968	27.1	65,200	2,406
1969	26.7	64,700	2,423
1970	26.4	64,200	2,432
1971	26.0	63,700	2,450
1972	25.5	63,200	2,478
1973	25.1	63,000	2,510
1974	24.6	62,800	2,553
1975	23.4*	62,200	2,693
1976	23.4	62,200	2,658
1977	23.5	62,100	2,643
1978	23.6	62,100	2,631
1979	23.7	62,100	2,620
1980	23.8	61,900	2,601
1981	23.9	61,700	2,582
1982	24.0	61,500	2,563
1983	24.0	61,300	2,554
1984	24.0	61,100	2,546

* Places which had annual sale of agricultural products of \$1,000 or more.
Series initiated with 1975.

SOURCE: Pratt and Lies, Montana Agricultural Statistics, 1984, p. 9.

Table XXII-6

Farms, Land in Farms, and Land Use: 1982 and Earlier Census Years

[For meaning of abbreviations and symbols, see introductory text]

All farms	1982	1978	1974	1969	1964	1959	1954	1950
FARMS AND LAND IN FARMS								
Farms.....number.....	23 570	23 565	23 324	24 951	27 020	28 959	33 061	35 065
Land in farms.....acres.....	60 539 209	61 690 919	62 158 351	62 919 247	65 833 760	64 061 391	61 486 903	59 247 434
Average size of farm.....acres.....	2 566	2 616	2 665	2 522	2 437	2 213	1 859	1 669
Approximate land area.....acres.....	93 048 416	93 178 320	93 157 952	93 157 952	93 271 040	93 271 040	93 361 920	93 361 920
Proportion in farms.....percent.....	65.1	68.2	68.7	67.5	70.8	68.7	65.8	63.5
Value of land and buildings ¹ :								
Average per farm.....dollars.....	677 995	512 791	298 070	150 222	103 271	78 781	44 653	28 476
Average per acre.....dollars.....	259	195	112	60	42	35	24	17
Farms by value of land and buildings:								
\$1 to \$9,999.....	923	153	575	1 258	1 770	(NA)	(NA)	(NA)
\$10,000 to \$19,999.....	330	453	904	1 687	2 634	(NA)	(NA)	(NA)
\$20,000 to \$39,999.....	717	1 415	2 042	3 888	5 147	(NA)	(NA)	(NA)
\$40,000 to \$59,999.....	1 652	1 740	2 758	4 408	5 329	(NA)	(NA)	(NA)
\$60,000 to \$99,999.....	1 482	1 581	2 237	3 175	3 485	(NA)	(NA)	(NA)
\$100,000 to \$149,999.....	2 145	2 520	2 787	3 440	3 350	(NA)	(NA)	(NA)
\$150,000 to \$199,999.....	1 873	1 919	2 272	2 290	1 919	(NA)	(NA)	(NA)
\$200,000 to \$499,999.....	5 768	7 071	6 414	3 979	2 645	(NA)	(NA)	(NA)
\$500,000 to \$999,999.....	4 381	3 965	3 357	1 018	542	(NA)	(NA)	(NA)
\$1,000,000 or more.....	4 251	2 769				(NA)	(NA)	(NA)
LAND IN FARMS ACCORDING TO USE								
Total cropland.....farms.....	20 717	21 437	21 368	22 709	25 212	27 486	31 218	33 331
.....acres.....	16 452 331	16 232 506	15 445 720	16 108 575	15 369 431	15 077 767	14 508 389	13 926 528
Harvested cropland.....farms.....	19 279	20 313	20 376	21 404	24 308	26 726	30 575	32 090
.....acres.....	9 385 775	9 741 043	9 426 681	7 937 203	7 912 812	9 158 899	9 414 058	7 576 173
Farms by acres harvested:								
1 to 49 acres.....	3 977	3 643	3 199	3 268	4 124	4 855	5 770	7 137
1 to 9 acres.....	1 006	896	889	657	966	1 122	1 060	1 945
10 to 19 acres.....	1 054	682	739	732	637	1 017	1 105	1 398
20 to 29 acres.....	763	914	612	620	769	866	1 017	1 296
30 to 49 acres.....	1 154	1 269	1 159	1 259	1 532	1 850	1 966	2 498
50 to 99 acres.....	1 806	2 280	2 348	2 596	3 369	3 776	4 726	5 534
100 to 199 acres.....	2 789	3 264	3 542	3 966	4 840	5 510	6 495	6 996
200 to 499 acres.....	4 565	5 298	5 607	6 247	7 059	7 718	8 864	9 389
500 to 999 acres.....	3 413	3 651	3 892	3 722	3 608	3 877	3 779	3 201
1,000 acres or more.....	2 627	2 177	1 990	1 563	1 308	1 190	1 110	831
1,000 to 1,999 acres.....	1 836	1 685	1 589	(NA)	(NA)	(NA)	(NA)	(NA)
2,000 acres or more.....	691	482	401	(NA)	(NA)	(NA)	(NA)	(NA)
Cropland used only for pasture or grazing.....farms.....	6 505	6 619	7 017	8 741	8 860	8 538	6 630	8 918
.....acres.....	1 122 886	1 163 838	1 144 873	1 441 261	1 030 734	944 930	737 975	1 271 471
Other cropland.....farms.....	9 928	11 579	11 160	13 676	16 450	17 547	19 121	20 656
.....acres.....	5 963 670	6 327 727	5 873 966	6 730 111	6 545 085	5 973 938	5 356 358	5 080 884
Cropland in cover crops, legumes, and soil-improvement grasses, not harvested and not pastured.....farms.....	889	1 418	(NA)	(NA)	3 318	1 886	(NA)	(NA)
.....acres.....	143 955	168 878	(NA)	(NA)	444 797	338 486	(NA)	(NA)
Cropland on which all crops failed.....farms.....	598	1 066	(NA)	(NA)	1 519	(NA)	(NA)	(NA)
.....acres.....	115 277	200 318	(NA)	(NA)	145 089	(NA)	(NA)	(NA)
Cropland in cultivated summer fallow.....farms.....	6 656	10 090	(NA)	(NA)	14 840	16 067	17 803	17 850
.....acres.....	5 391 481	5 554 694	(NA)	(NA)	5 695 266	5 374 988	4 968 526	4 224 669
Cropland idle.....farms.....	1 677	2 411	(NA)	(NA)	2 551	(NA)	(NA)	(NA)
.....acres.....	312 977	383 639	(NA)	(NA)	259 943	(NA)	(NA)	(NA)
Total woodland.....farms.....	3 489	3 034	2 933	3 266	4 061	4 772	5 340	7 096
.....acres.....	2 032 152	1 921 154	2 049 726	1 752 055	2 125 308	2 437 662	2 163 860	3 159 879
Woodland pastured.....farms.....	2 711	2 322	(NA)	(NA)	3 408	3 934	4 566	6 021
.....acres.....	1 555 739	1 565 434	(NA)	(NA)	1 869 971	2 179 339	1 971 937	2 754 944
Woodland not pastured.....farms.....	1 165	1 062	(NA)	(NA)	1 066	1 261	1 190	1 737
.....acres.....	376 413	355 720	(NA)	(NA)	255 335	259 523	191 723	404 934
Other land.....farms.....	19 884	19 719	19 606	21 294	(NA)	(NA)	(NA)	(NA)
.....acres.....	42 054 726	43 537 157	44 862 903	45 057 617	48 320 023	46 565 782	44 796 854	42 159 028
Pastureland and rangeland other than cropland and woodland pastured.....farms.....	13 237	13 842	(NA)	(NA)	20 414	22 245	25 362	25 804
.....acres.....	40 811 616	42 357 296	(NA)	(NA)	47 378 901	45 471 289	43 922 643	41 226 673
Land in house lots, ponds, roads, wasteland, etc.....farms.....	14 777	14 011	(NA)	(NA)	24 502	(NA)	30 625	32 222
.....acres.....	1 242 910	1 179 661	(NA)	(NA)	843 122	1 094 493	874 011	932 355
Irrigated land.....farms.....	9 226	9 364	9 714	9 197	10 843	11 935	13 114	13 457
.....acres.....	2 023 003	2 069 531	1 759 040	1 841 421	1 693 360	1 874 520	1 960 671	1 716 792

¹Data for 1982, 1978, and 1950 through 1964 are based on a sample of farms.Source: U.S. Bureau of the Census, *1982 Census of Agriculture, Montana*, p. 1.

TABLE XXII - 7

AVERAGE VALUE OF LAND & BUILDINGS PER AGRICULTURAL UNIT
1970 - 1982
(in thousands of dollars)

Area	1970	1975	1980	1981	1982
United States	\$ 73	\$ 142	\$ 311	\$ 342	\$ 348
Montana	146	298	598	621	678
Idaho	96	217	427	457	460
Wyoming	167	347	589	623	733

SOURCE: U.S. Bureau of the Census, 1982 Censuses of Agriculture, U.S., Montana, Idaho, and Wyoming, and U.S. Bureau of the Census, State and Metropolitan Area Data Book, 1982, p. 522.

Table XXII-8

Farms, Land in Farms, and Land Use, by Size of Farm: 1982 and 1978

[For meaning of abbreviations and symbols, see introductory text]

All farms	Farms		Land in farms (acres)		Harvested cropland (acres)		Irrigated land (acres)	
	1982	1978	1982	1978	1982	1978	1982	1978
Farms..... number..	23 570	23 565	60 539 209	81 890 919	9 385 775	8 741 043	2 023 003	2 069 531
with harvested cropland..	19 279	20 313	53 462 485	53 803 323	9 385 775	8 741 043	1 989 582	2 011 447
with irrigated land..	9 226	9 384	24 171 032	23 814 711	2 927 733	2 823 200	2 023 003	2 069 531
Farms by size:								
1 to 9 acres..... number..	1 551	1 255	4 270	2 828	1 010	817	1 036	724
with harvested cropland..	300	207	1 532	830	1 010	817	704	497
with irrigated land..	281	191	1 529	962	669	453	1 036	724
10 to 49 acres..... number..	2 873	1 869	68 318	50 828	24 395	21 292	23 429	21 704
with harvested cropland..	1 663	1 293	43 913	38 348	24 395	21 292	18 572	17 772
with irrigated land..	1 419	1 149	38 080	31 067	15 843	15 028	23 429	21 704
50 to 99 acres..... number..	563	481	32 568	26 647	11 785	10 787	10 022	10 308
with harvested cropland..	399	361	23 145	20 895	11 785	10 787	8 711	9 330
with irrigated land..	289	270	17 339	15 717	7 528	7 180	10 022	10 308
70 to 99 acres..... number..	808	841	66 078	66 274	24 596	28 265	22 083	25 210
with harvested cropland..	815	869	50 574	56 143	24 596	28 265	19 527	22 754
with irrigated land..	456	494	37 325	40 070	15 975	19 179	22 083	25 210
100 to 139 acres..... number..	724	869	63 186	80 208	31 403	32 307	25 587	28 749
with harvested cropland..	554	552	63 962	64 522	31 403	32 307	23 898	26 148
with irrigated land..	370	388	42 839	45 374	19 854	21 357	25 587	28 749
140 to 179 acres..... number..	967	996	155 822	157 128	59 284	59 818	48 023	48 278
with harvested cropland..	798	857	125 898	135 223	59 284	59 818	43 331	48 105
with irrigated land..	512	519	80 507	81 643	37 760	37 365	46 023	48 278
180 to 219 acres..... number..	504	497	99 306	98 451	39 185	40 392	35 286	38 633
with harvested cropland..	425	438	83 861	86 909	39 185	40 392	33 862	35 517
with irrigated land..	311	316	61 167	62 829	29 725	30 086	35 286	38 633
220 to 259 acres..... number..	452	486	107 452	115 818	40 386	43 839	32 549	37 580
with harvested cropland..	381	429	90 687	102 058	40 386	43 839	31 314	36 490
with irrigated land..	256	289	60 865	66 548	27 233	31 492	32 549	37 580
260 to 499 acres..... number..	2 141	2 437	779 413	892 504	287 501	325 927	186 448	208 214
with harvested cropland..	1 857	2 201	677 881	805 501	287 501	325 927	184 509	203 707
with irrigated land..	1 048	1 203	379 211	435 243	174 502	186 059	186 446	208 214
500 to 999 acres..... number..	2 640	2 928	1 933 178	2 142 578	645 484	656 480	264 745	267 643
with harvested cropland..	2 380	2 703	1 736 734	1 984 069	645 484	656 480	258 522	282 047
with irrigated land..	1 035	1 122	744 106	799 480	273 268	261 486	264 745	267 643
1,000 to 1,999 acres..... number..	3 345	4 011	4 831 818	5 801 813	1 456 857	1 653 490	261 688	293 786
with harvested cropland..	3 118	3 847	4 512 669	5 580 248	1 456 857	1 653 490	253 718	286 804
with irrigated land..	918	1 109	1 290 842	1 545 187	321 049	368 912	261 688	293 786
2,000 acres or more..... number..	7 184	7 075	52 378 220	52 254 048	8 741 899	5 865 829	1 112 139	1 090 724
with harvested cropland..	6 811	6 738	48 052 211	44 830 485	6 741 899	5 865 829	1 092 093	1 082 476
with irrigated land..	2 325	2 334	21 429 820	20 668 811	2 004 407	1 842 813	1 112 139	1 090 724
5,000 acres or more..... number..	2 802	2 820	38 861 783	38 967 825	3 368 218	2 688 067	729 117	706 848
with harvested cropland..	2 800	2 820	32 867 602	32 074 321	3 368 218	2 688 067	717 879	693 420
with irrigated land..	1 137	1 143	17 821 202	16 828 008	1 340 554	1 060 537	729 117	706 848

Source: U.S. Bureau of the Census, 1982 Census of Agriculture, Montana, p.3.

Table XXII-9

Tenure and Characteristics of Operator and Type of Organization: 1982, 1978, and 1974

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All farms			Farms operated by Black and other races ¹		
	1982	1978	1974	1982	1978	1974
Tenure of operator:						
All operators..... farms..	23 570	23 565	23 324	433	426	261
acres.....	60 539 209	81 890 919	82 156 351	3 230 488	3 105 606	549 455
Harvested cropland..... farms..	19 279	20 313	20 378	337	339	222
acres.....	9 385 775	8 741 043	9 428 881	148 658	101 406	85 299
Full owners..... farms..	11 662	10 892	10 877	205	187	73
acres.....	17 075 049	14 598 340	14 138 107	2 713 301	2 632 587	180 645
Harvested cropland..... farms..	8 801	8 515	8 584	137	126	46
acres.....	2 540 246	2 019 083	2 035 023	86 034	18 363	9 662
Part owners..... farms..	9 239	9 908	10 135	177	186	137
acres.....	38 772 900	42 852 335	43 780 198	481 926	420 260	302 301
Harvested cropland..... farms..	8 580	9 466	9 865	157	189	129
acres.....	5 994 820	5 852 930	5 897 443	89 081	71 071	47 898
Tenants..... farms..	2 669	2 785	2 512	51	53	51
acres.....	4 691 260	4 440 244	4 260 048	35 261	52 759	66 309
Harvested cropland..... farms..	2 088	2 332	2 107	43	44	45
acres.....	830 609	789 160	694 415	11 581	13 972	7 539
Percent of tenancy..... percent..	11.3	11.7	10.8	11.8	12.4	19.5
Operator characteristics:						
Operations by place of residence ² :						
On farm operated.....	17 396	17 423	15 441	290	274	185
Not on farm operated.....	3 710	3 770	3 289	85	91	55
Not reported.....	2 464	2 372	4 584	56	81	21
Operators by principal occupation ² :						
Farming.....	18 896	18 855	18 967	277	235	186
Other.....	8 872	8 710	4 948	158	191	93
Operators by days of work off farm ² :						
None.....	10 864	12 114	9 952	180	145	87
Any.....	10 108	10 078	7 284	208	242	121
1 to 48 days.....	2 135	2 483	1 632	23	32	15
50 to 99 days.....	784	789	595	20	15	17
100 to 149 days.....	818	780	567	22	42	5
150 to 199 days.....	1 099	1 011	766	21	33	17
200 days or more.....	5 272	5 018	3 704	120	120	67
Not reported.....	2 498	1 372	4 879	87	39	53

See footnotes at end of table.

Table XXII-9 (continued)

Tenure and Characteristics of Operator and Type of Organization: 1982, 1978, and 1974—Con.

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	All farms			Farms operated by Black and other races ¹		
	1982	1978	1974	1982	1978	1974
Operator characteristics—Con.						
Operators by years on present farm:						
2 years or less	1 268	(NA)	(NA)	27	(NA)	(NA)
3 or 4 years	1 934	(NA)	(NA)	38	(NA)	(NA)
5 to 9 years	3 686	(NA)	(NA)	65	(NA)	(NA)
10 years or more	12 451	(NA)	(NA)	170	(NA)	(NA)
Average years on present farm	18.7	(NA)	(NA)	15.8	(NA)	(NA)
Not reported	4 231	(NA)	(NA)	133	(NA)	(NA)
Operators by age group ² :						
Under 25 years	515	571	474	13	14	1
25 to 34 years	3 149	3 138	2 391	60	77	35
35 to 44 years	4 688	4 400	3 912	105	80	54
45 to 54 years	5 387	5 878	5 762	107	115	85
55 to 64 years	5 877	6 233	6 069	86	68	87
65 years and over	3 954	3 347	3 307	62	44	39
Average age	50.5	50.0	61.1	46.2	47.3	50.4
Operators by sex:						
Male	22 287	22 404	(NA)	392	390	(NA)
farms..	56 192 285	59 064 753	(NA)	3 197 630	3 068 653	(NA)
acres..	1 283	1 181	(NA)	41	38	(NA)
Female	2 346 914	2 626 168	(NA)	32 958	38 953	(NA)
farms..	48	71	(NA)	9	8	(NA)
acres..	57 213	145 523	(NA)	4 445	2 547	(NA)
Operators of Spanish origin						
farms..	19 842	19 042	(NA)	365	365	(NA)
acres..	31 644 819	32 711 096	(NA)	605 659	498 544	(NA)
Partnership	2 099	2 305	(NA)	22	31	(NA)
farms..	6 515 088	7 562 888	(NA)	23 789	48 817	(NA)
acres..	2 336	2 012	(NA)	8	9	(NA)
Corporation	18 882 145	16 183 718	(NA)	8 245	18 512	(NA)
Family held:						
More than 10 stockholders	78	38	(NA)	-	-	(NA)
farms..	1 239 887	482 217	(NA)	-	-	(NA)
acres..	2 164	1 883	(NA)	8	9	(NA)
10 or less stockholders	14 771 889	14 814 191	(NA)	6 245	18 512	(NA)
farms..	24	18	(NA)	-	-	(NA)
acres..	477 929	278 873	(NA)	-	-	(NA)
10 or less stockholders	72	75	(NA)	-	-	(NA)
farms..	392 680	610 637	(NA)	-	-	(NA)
acres..						
Other—cooperative, estate or trust, institutional, etc.	283	206	(NA)	40	21	(NA)
farms..	5 497 157	5 253 407	(NA)	2 592 815	2 539 933	(NA)
acres..						

¹For classification of social and ethnic groups, see text.²1974 data apply only to individual or family operations (sole proprietorship) and partnerships; see text.Source: U.S. Bureau of the Census, *1982 Census of Agriculture, Montana*, pp. 3-4.

Table XXII-10

Selected Characteristics of Farms Operated by Females, Persons of Spanish Origin, and Specified Racial Groups: 1982 and 1978

[For meaning of abbreviations and symbols, see introductory text]

Characteristics	Female	Spanish origin	Black and other races				
			Total	Black	American Indian	Asian	Other (see text)
FARMS AND LAND IN FARMS							
Farms..... number, 1982.....	1 263	48	433	7	404	14	6
..... 1978.....	1 181	71	426	6	387	18	15
Land in farms..... acres, 1982.....	2 348 914	57 213	3 230 488	6 315	3 202 148	19 655	2 372
..... 1978.....	2 626 188	145 523	3 105 806	7 661	3 081 263	7 081	9 601
Harvested cropland..... farms, 1982.....	889	37	337	7	311	12	7
..... 1978.....	859	82	339	6	304	15	14
..... acres, 1982.....	228 523	10 017	148 656	1 363	140 780	6 474	1 019
..... 1978.....	221 132	21 870	101 406	2 344	92 669	3 167	3 226
1982 FARMS BY SIZE							
1 to 9 acres.....	127	3	24	-	22	2	-
10 to 49 acres.....	229	12	31	1	27	1	2
50 to 139 acres.....	149	5	36	-	33	-	3
140 to 219 acres.....	101	4	43	-	43	-	-
220 to 499 acres.....	156	8	64	-	61	2	1
500 acres or more.....	521	14	235	6	218	9	2
TENURE OF OPERATOR							
Full owners..... farms, 1982.....	631	19	205	7	168	7	5
..... (NA).....		33	187		185	10	8
..... acres, 1982.....	823 471	8 810	2 713 301	6 315	2 696 535	7 151	1 300
..... (NA).....		22 157	2 632 567	(D)	2 624 239	(D)	(D)
Part owners..... farms, 1982.....	351	16	177	-	170	6	1
..... (NA).....		32	168	3	173	5	5
..... acres, 1982.....	1 600 994	43 927	461 926	-	472 482	(D)	(D)
..... (NA).....		118 338	420 280	6 357	405 233	3 412	5 278
Tenants..... farms, 1982.....	101	9	51	-	48	1	2
..... (NA).....		6	53	1	49	1	2
..... acres, 1982.....	122 449	4 478	35 261	-	31 129	(D)	(D)
..... (NA).....		5 028	52 759	(D)	51 791	(D)	(D)

Table XXII-10 (continued)

Selected Characteristics of Farms Operated by Females, Persons of Spanish Origin, and Specified Racial Groups: 1982 and 1978—Con.

(For meaning of abbreviations and symbols, see introductory text)

Characteristics	Female	Spanish origin	Black and other races				
			Total	Black	American Indian	Asian	Other (see text)
1982 FARMS BY TYPE OF ORGANIZATION							
Individual or family	1 048	40	365	8	340	11	6
Partnership	130	4	22	-	21	1	-
Family held corporation	64	1	6	1	3	2	-
Other than family held corporation	2	1	-	-	-	-	-
Other—cooperative, estate or trust, institutional, etc.	19	-	40	-	40	-	-
1982 MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD							
Total sales (see text)	1 283	46	433	7	404	14	8
farms	35 315	1 786	25 068	141	23 930	871	126
\$1,000	538	25	217	4	195	12	8
Crops, including nursery and greenhouse products	13 300	696	10 605	28	10 202	509	68
farms	955	34	319	7	298	6	8
\$1,000	22 018	1 089	14 262	113	13 728	362	60
Livestock, poultry, and their products	955	34	319	7	298	6	8
Farms by value of sales	381	14	79	-	78	1	2
Less than \$2,500	336	8	118	2	108	3	3
\$2,500 to \$9,999	174	5	60	1	54	3	2
\$10,000 to \$19,999	389	19	160	4	148	7	1
\$20,000 or more	3	-	18	-	18	-	-
Abnormal farms	-	-	-	-	-	-	-
1982 FARMS BY STANDARD INDUSTRIAL CLASSIFICATION							
Cash grains (011)	253	7	117	2	105	8	2
Field crops, except cash grains (013)	99	9	29	-	26	1	2
Cotton (0131)	-	-	-	-	-	-	-
Tobacco (0132)	-	-	-	-	-	-	-
Sugar crops, Irish potatoes, hay, peanuts, and other field crops (0133, 0134, 0139)	99	9	29	-	26	1	2
Vegetables and melons (018)	3	-	-	-	-	-	-
Fruits and tree nuts (017)	21	-	3	-	3	-	-
Horticultural specialties (018)	5	-	1	-	1	-	-
General farms, primarily crop (019)	38	-	10	-	10	-	-
Livestock, except dairy, poultry, and animal specialties (021)	702	22	237	5	224	5	3
Beef cattle, except feedlots (0212)	563	17	221	5	209	4	3
Dairy farms (024)	19	3	2	-	2	-	-
Poultry and eggs (025)	11	-	-	-	-	-	-
Animal specialties (027)	109	3	19	-	19	-	-
General farms, primarily livestock (029)	23	2	15	-	14	-	1
1982 OPERATOR CHARACTERISTICS							
Operators by place of residence	923	34	290	8	287	11	8
On farm operated	234	6	85	1	80	2	2
Not on farm operated	126	6	58	-	57	1	-
Not reported	-	-	-	-	-	-	-
Operators by principal occupation	641	19	277	5	260	11	1
Farming	442	27	158	2	144	3	7
Other	-	-	-	-	-	-	-
Operators by days of work off farm	820	21	160	3	148	9	2
None	515	25	206	2	184	4	6
Any	132	3	43	-	43	-	-
1 to 99 days	114	4	43	1	41	-	1
100 to 199 days	269	18	120	1	110	4	5
200 days or more	148	-	67	2	64	1	-
Not reported	-	-	-	-	-	-	-
Operators by years on present farm	81	1	27	-	26	1	-
2 years or less	128	4	38	-	38	2	-
3 or 4 years	209	9	65	1	61	-	3
5 to 9 years	614	21	170	5	155	7	3
10 years or more	18.3	18.2	15.9	24.7	15.5	21.4	11.3
Average years on present farm	253	11	133	1	126	4	2
Not reported	-	-	-	-	-	-	-
Operators by age group	25	1	13	-	13	-	-
Under 25 years	132	4	60	-	55	3	2
25 to 34 years	184	13	105	-	99	4	2
35 to 44 years	259	11	107	3	102	1	1
45 to 54 years	318	11	86	3	75	5	3
55 to 64 years	365	8	82	1	80	1	-
65 years and over	54.8	50.1	48.2	58.8	48.1	48.7	48.4
Average age	-	-	-	-	-	-	-
Operators by sex	(X)	43	392	7	383	14	8
Male	1 283	3	41	-	41	-	-
Female	-	-	-	-	-	-	-
Operators of Spanish origin	3	46	9	-	4	-	5
1982 COMMODITY CREDIT CORPORATION LOANS AND DIRECT SALES							
Amount received from Commodity Credit Corporation loans	67	3	37	-	31	5	1
farms	1 956	49	868	-	789	(D)	(D)
\$1,000	-	-	-	-	-	-	-
Value of agricultural products sold directly to individuals for human consumption (see text)	91	3	18	-	17	-	1
farms	108	1	9	-	(D)	-	(D)
\$1,000	-	-	-	-	-	-	-

Source: U.S. Bureau of the Census, 1982 Census of Agriculture, Montana, pp. 4-5.

Table XXII-11

CASH RECEIPTS -- 1972 - 1983

CASH RECEIPTS FROM THE SALE OF PRINCIPAL FARM PRODUCTS and GOVERNMENT PAYMENTS

Year	Livestock and Livestock Products	Crops	Total Receipts from Marketings	Government Payments	Total All Cash Receipts
	-----	-----	-----	-----	-----
	--Thousand Dollars--				
1972.....	495,281	328,465	823,746	103,169	926,915
1973.....	572,107	554,964	1,127,071	64,990	1,192,061
1974.....	433,124	720,745	1,153,869	14,998	1,168,867
1975.....	420,949	587,992	1,008,941	9,350	1,018,291
1976.....	456,119	582,365	1,038,484	10,497	1,048,981
1977.....	496,201	475,120	971,321	61,443	1,032,764
1978.....	681,013	533,056	1,214,069	137,237	1,351,306
1979.....	806,038	585,278	1,391,316	33,997	1,425,313
1980.....	747,447	657,547	1,404,994	58,484	1,463,478
1981.....	629,224	782,773	1,411,997	85,131	1,497,128
1982.....	655,054	907,103	1,562,157	116,916	1,679,073
1983.....	656,364	846,939	1,503,303	239,410	1,742,713

FIGURE XXII-2

CASH RECEIPTS FROM FARM MARKETINGS - 1982

EXCLUDING GOVERNMENT PAYMENTS

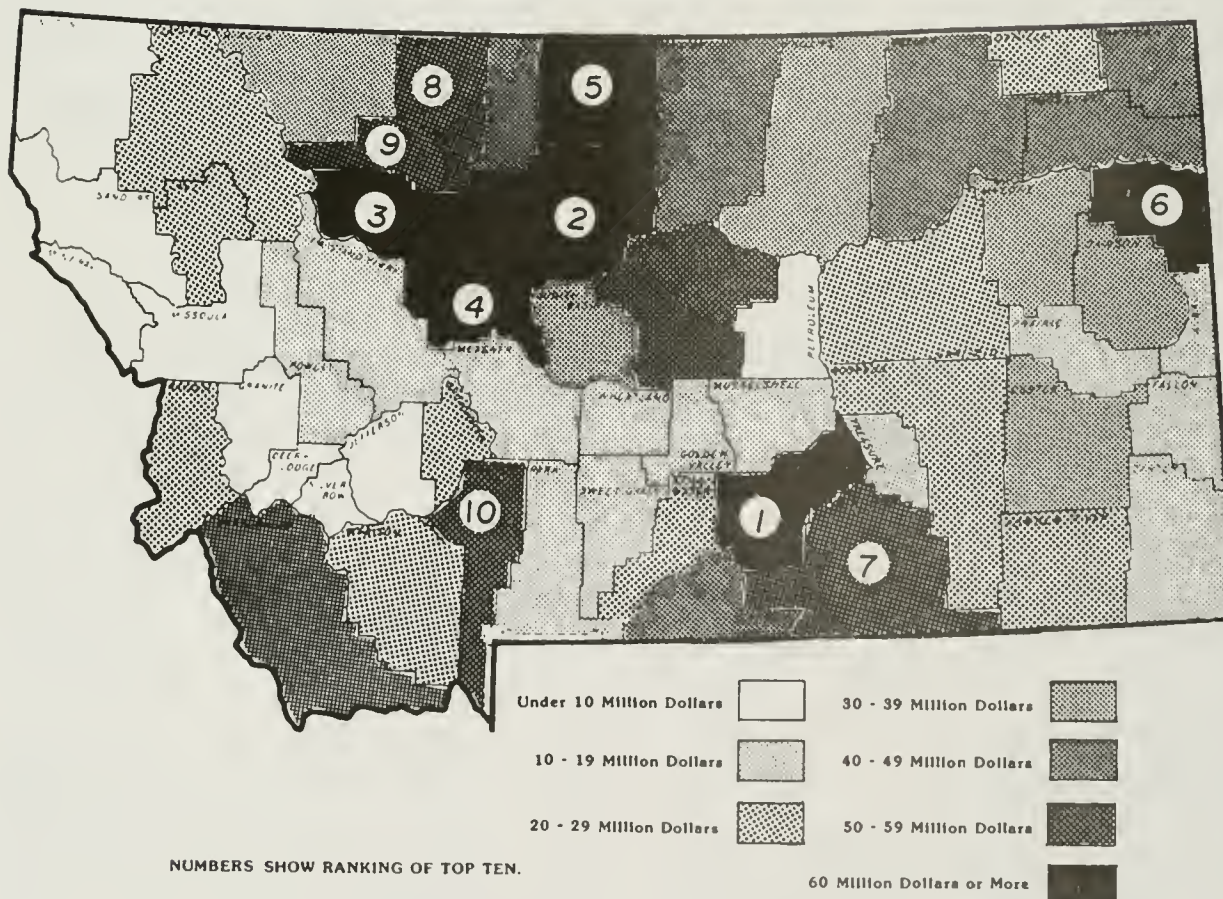
Source: Pratt and Lies, *Montana Agricultural Statistics*, 1984, p. 10.

TABLE XXII - 12

MONTANA CASH RECEIPTS FROM MARKETINGS BY COMMODITIES
1978 - 1983*
(thousands of dollars)

Item	1978	1979	1980	1981	1982	1983
Livestock & Products:						
Cattle & Calves	582,260	700,097	640,507	506,118	540,617	543,673
Dairy Products	29,775	33,515	38,416	42,372	42,833	44,881
Sheep & Lambs	16,925	13,243	12,307	13,469	18,847	16,703
Wool	3,547	4,672	5,304	5,783	4,298	3,731
Hogs	34,291	28,490	26,433	35,090	32,614	22,909
Eggs	8,462	9,012	7,906	8,835	8,479	8,695
Chickens	154	85	117	174	180	188
Other**	5,599	16,924	16,457	17,383	7,186	15,584
Total	681,013	806,038	747,447	629,224	655,054	656,364
Crops:						
Field Crops						
Wheat	372,197	422,258	463,051	590,907	688,738	588,594
Barley	72,819	73,221	77,876	88,643	110,408	150,740
Sugarbeets	26,462	30,922	45,181	34,447	36,040	34,683
Hay	25,947	27,158	39,510	34,215	34,503	34,948
Potatoes	7,880	7,052	5,969	12,492	11,944	12,445
Oats	2,564	3,263	2,034	2,461	3,168	3,305
Dry Edible Beans	1,989	2,908	4,257	4,052	2,745	1,176
Other***	15,882	9,549	12,100	9,435	12,078	14,377
Fruit & Berries						
Cherries	1,276	2,006	428	875	1,928	620
Other****	40	41	41	46	51	51
Other Products						
Forest	4,200	4,700	4,700	3,000	3,500	4,000
Greenhouse & Nursery	1,800	2,200	2,400	2,200	2,000	2,000
Total	533,056	585,278	657,547	782,773	907,103	846,939
All Commodities:	1,214,069	1,391,316	1,404,994	1,411,997	1,562,157	1,503,303

* Revised

** Honey & beeswax, turkey & turkey eggs, ducks, geese, other fowl, game birds, rabbits, mink, bees, horses, & mules.

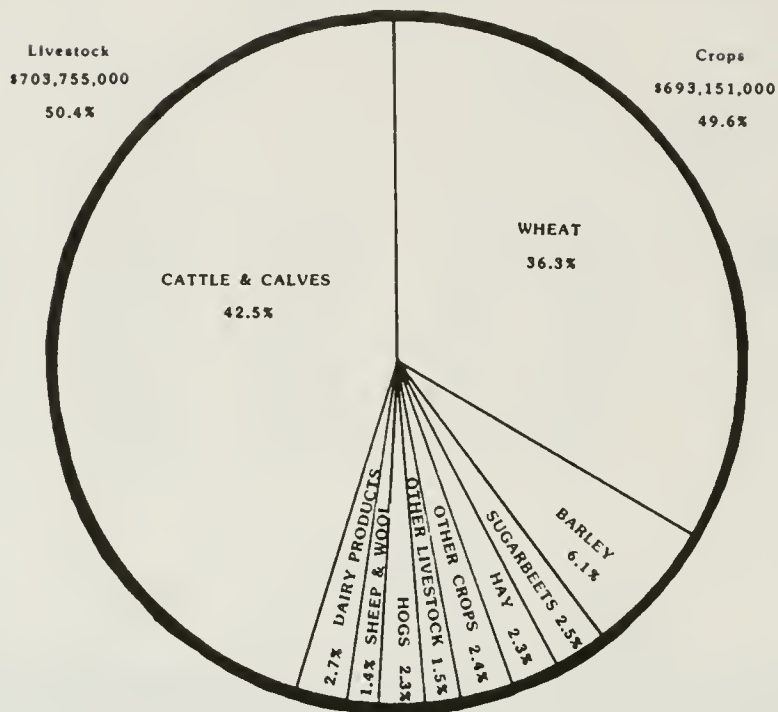
*** Dry field peas, cabbage, sweet corn, lettuce, onions, green peas, tomatoes, miscellaneous vegetables, rye, corn, sorghum grain, soybeans, alfalfa seed, alsike clover seed, red clover seed, mustard seed, timothy seed, Kentucky bluegrass seed, brome grass seed, fescue seed, rapeseed, wheatgrass seed, white clover seed, flaxseed, and other seed.

**** Apples, plums, prunes, strawberries, raspberries, other berries.

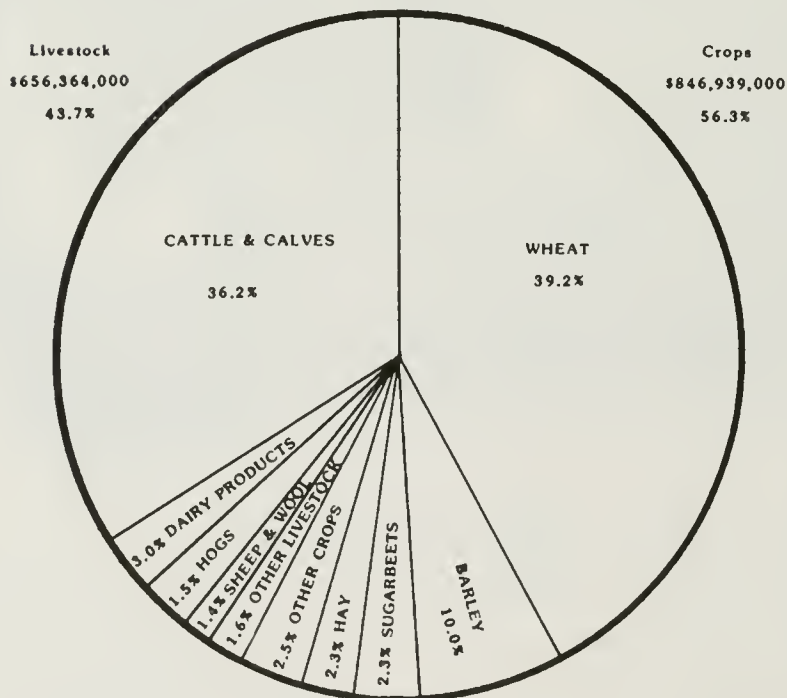
SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 11.

FIGURE XXII-3
Montana
CASH RECEIPTS
FROM FARM MARKETINGS of COMMODITIES

1978-82 AVERAGE



1983



Source: Montana Crop and Livestock Reporting Service.

TABLE XXII - 13

MONTANA CASH RECEIPTS BY COMMODITIES
AS A PERCENT OF TOTAL RECEIPTS FOR ALL COMMODITIES
1978 - 1983*
(percent)

Item	1978	1979	1980	1981	1982	1983
Livestock & Products:						
Cattle & Calves	48.0%	50.3%	45.6%	35.9%	34.6%	36.2%
Dairy Products	2.4%	2.4%	2.7%	3.0%	2.7	3.0%
Sheep & Lambs	1.4%	1.0%	0.9%	1.0%	1.2	1.1%
Wool	0.3%	0.3%	0.4%	0.4%	0.3	0.3%
Hogs	2.8%	2.0%	1.9%	2.5%	2.1	1.5%
Chickens & Eggs	0.7%	0.7%	0.6%	0.6%	0.5	0.6%
Other	0.5%	1.2%	1.1%	1.2%	0.5	1.0%
Total	56.1%	57.9%	53.2%	44.6%	41.9%	43.7%
Crops:						
Wheat	30.7%	30.3%	33.0%	41.9%	44.1%	39.2%
Barley	6.0%	5.3%	5.5%	6.3%	7.1%	10.0%
Sugarbeets	2.2%	2.2%	3.2%	2.4%	2.3%	2.3%
Hay	2.1%	2.0%	2.8%	2.4%	2.2%	2.3%
Potatoes	0.6%	0.5%	0.4%	0.9%	0.8%	0.8%
Other	2.3%	1.8%	1.9%	1.5%	1.6%	1.7%
Total	43.9%	42.1%	46.8%	55.4%	58.1%	56.3%
All Commodities	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

* Revised.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 11.

TABLE XXII - 14

MONTANA AGRICULTURAL CASH RECEIPTS
FROM SALE OF PRINCIPAL PRODUCTS & GOVERNMENT PAYMENTS*: 1982
(dollars)

County & District	Livestock & Livestock Products	Crops	Total Receipts from Marketings	Government Payments	All Cash Receipts
Deer Lodge	\$ 845,000	\$ 1,287,000	\$ 2,132,000	\$ 56,000	\$ 2,188,000
Flathead	7,739,000	12,656,000	20,395,000	616,000	21,011,000
Granite	7,792,000	2,092,000	9,884,000	39,000	9,923,000
Lake	14,127,000	14,884,000	29,011,000	498,000	29,509,000
Lincoln	1,438,000	1,147,000	2,585,000	16,000	2,601,000
Mineral	715,000	463,000	1,178,000	15,000	1,193,000
Missoula	4,536,000	3,781,000	8,317,000	111,000	8,428,000
Powell	10,713,000	4,355,000	15,068,000	124,000	15,192,000
Ravalli	15,968,000	4,834,000	20,802,000	163,000	20,965,000
Sanders	3,966,000	1,349,000	5,315,000	179,000	5,494,000
N. West Total	67,839,000	46,848,000	114,687,000	1,817,000	116,504,000
Blaine	13,169,000	26,780,000	39,949,000	3,764,000	43,713,000
Chouteau	12,193,000	72,287,000	84,480,000	10,423,000	94,903,000
Glacier	9,466,000	28,683,000	38,149,000	4,615,000	42,764,000
Hill	6,237,000	59,973,000	66,210,000	6,945,000	73,155,000
Liberty	3,526,000	41,072,000	44,598,000	4,075,000	48,673,000
Phillips	17,067,000	20,389,000	37,456,000	2,752,000	40,208,000
Pondera	8,337,000	43,917,000	52,254,000	5,601,000	57,855,000
Teton	23,819,000	43,254,000	67,073,000	4,576,000	71,649,000
Toole	4,913,000	48,309,000	53,222,000	5,365,000	58,587,000
N. Central Total	98,727,000	384,664,000	483,391,000	48,116,000	531,507,000
Daniels	5,361,000	23,828,000	29,189,000	4,207,000	33,396,000
Dawson	9,203,000	28,706,000	37,909,000	3,172,000	41,081,000
Garfield	12,451,000	7,997,000	20,448,000	2,065,000	22,513,000
McCone	8,877,000	22,133,000	31,010,000	3,933,000	34,943,000
Richland	27,520,000	38,117,000	65,637,000	3,809,000	69,446,000
Roosevelt	8,413,000	34,653,000	43,066,000	4,054,000	47,120,000
Sheridan	4,255,000	39,465,000	43,720,000	5,508,000	49,228,000
Valley	15,049,000	33,018,000	48,067,000	5,692,000	53,759,000
N. East Total	91,129,000	227,917,000	319,046,000	32,440,000	351,486,000
Broadwater	5,646,000	18,637,000	24,283,000	2,033,000	26,316,000
Cascade	36,338,000	30,026,000	66,364,000	4,225,000	70,589,000
Fergus	26,178,000	25,759,000	51,937,000	3,826,000	55,763,000
Golden Valley	9,768,000	2,905,000	12,673,000	672,000	13,345,000
Judith Basin	16,104,000	17,197,000	33,301,000	2,489,000	35,790,000
Lewis & Clark	12,430,000	3,853,000	16,283,000	569,000	16,852,000
Meagher	13,352,000	2,133,000	15,485,000	359,000	15,844,000
Musselshell	9,170,000	4,351,000	13,521,000	660,000	14,181,000
Petroleum	7,432,000	1,370,000	8,802,000	251,000	9,053,000
Wheatland	9,295,000	3,463,000	12,758,000	688,000	13,446,000
Central Total	145,713,000	109,694,000	255,407,000	15,772,000	271,179,000
Beaverhead	33,306,000	7,197,000	40,503,000	747,000	41,250,000
Gallatin	24,040,000	28,204,000	52,244,000	1,454,000	53,698,000
Jefferson	3,742,000	1,571,000	5,313,000	295,000	5,608,000
Madison	21,933,000	5,105,000	27,038,000	581,000	27,619,000
Silver Bow	4,378,000	582,000	4,960,000	19,000	4,979,000
S. West Total	87,399,000	42,659,000	130,058,000	3,096,000	133,154,000

TABLE XXII - 14
(cont.)

County & District	Livestock & Livestock Products	Crops	Total Receipts from Marketings	Government Payments	All Cash Receipts
Big Horn	32,412,000	25,641,000	58,053,000	2,027,000	60,080,000
Carbon	19,411,000	21,666,000	41,077,000	606,000	41,683,000
Park	10,603,000	4,076,000	14,679,000	449,000	15,128,000
Stillwater	18,758,000	8,365,000	27,123,000	1,419,000	28,542,000
Sweet Grass	9,530,000	1,441,000	10,971,000	291,000	11,262,000
Treasure	3,953,000	10,256,000	14,209,000	242,000	14,451,000
Yellowstone	55,936,000	37,488,000	93,424,000	2,145,000	95,569,000
S. Central Total	150,603,000	108,933,000	259,536,000	7,179,000	266,715,000
Carter	12,296,000	4,982,000	17,278,000	2,243,000	19,521,000
Custer	21,703,000	11,320,000	33,023,000	974,000	33,997,000
Fallon	6,828,000	9,071,000	15,899,000	1,199,000	17,098,000
Powder River	14,272,000	6,518,000	20,790,000	930,000	21,720,000
Prairie	8,148,000	9,409,000	17,557,000	804,000	18,361,000
Rosebud	15,868,000	12,257,000	28,125,000	1,274,000	29,399,000
Wibaux	4,280,000	6,056,000	10,336,000	1,072,000	11,408,000
S. East Total	83,395,000	59,613,000	143,008,000	8,496,000	151,504,000
State Total	724,805,000	980,328,000	1,705,133,000	116,916,000	1,822,049,000

* Includes estimates of inter-farm and intra-state sales resulting in larger total cash receipts than shown in USDA estimates.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 13. Based on data from Bureau of Economic Analysis, U.S. Dept. of Commerce, Washington, DC.

Table XXII-15

Market Value of Montana Agricultural Products Sold: 1982, 1978, and 1974

Item	1982	1978	1974	Item	1982	1978	1974
Total sales ¹ (see text) ----- farms..	23 570	23 585	23 324	Total sales ¹ (see text)—Con.			
\$1,000..	1 547 180	1 177 454	1 033 239	Sales by commodity or commodity			
Average per farm ----- dollars..	85 641	49 986	44 299	group:			
Value of sales:				Crops, including nursery and			
Less than \$2,500 (see text) ----- farms..	3 914	2 642	3 340	greenhouse products ----- farms..	14 227	15 191	15 972
\$1,000..	3 680	3 520	3 971	\$1,000..	759 171	488 486	549 876
\$2,500 to \$4,999 ----- farms..	1 795	1 991	1 655	Grains ----- farms..	11 586	12 548	(NA)
\$1,000..	6 474	7 257	8 030	\$1,000..	665 889	410 889	(NA)
\$5,000 to \$7,499 ----- farms..	1 334	1 399	1 405	Corn for grain ----- farms..	151	(NA)	(NA)
\$1,000..	9 159	8 548	9 704	\$1,000..	3 335	(NA)	(NA)
\$7,500 to \$9,999 ----- farms..	981	1 139	1 115	Wheat ----- farms..	9 952	(NA)	(NA)
\$1,000..	8 347	9 852	9 721	\$1,000..	530 021	(NA)	(NA)
\$10,000 to \$14,999 ----- farms..	1 486	1 823	1 989	Soybeans ----- farms..	4	(NA)	(NA)
\$1,000..	19 338	22 330	24 493	\$1,000..	72	(NA)	(NA)
\$15,000 to \$19,999 ----- farms..	1 186	1 462	1 647	Sorghum for grain ----- farms..	-	(NA)	(NA)
\$1,000..	20 399	25 292	26 540	\$1,000..	-	(NA)	(NA)
\$20,000 to \$29,999 ----- farms..	1 897	2 432	2 603	Oats ----- farms..	1 082	(NA)	(NA)
\$1,000..	46 707	59 942	64 181	\$1,000..	4 826	(NA)	(NA)
\$20,000 to \$24,999 ----- farms..	1 019	1 288	(NA)	Other grains ----- farms..	6 576	(NA)	(NA)
\$1,000..	22 662	28 727	(NA)	\$1,000..	127 435	(NA)	(NA)
\$25,000 to \$29,999 ----- farms..	878	1 144	(NA)	Cotton and cottonseed ----- farms..	-	-	(NA)
\$1,000..	24 045	31 215	(NA)	\$1,000..	-	-	(NA)
\$30,000 to \$39,999 ----- farms..	1 487	1 981	1 988	Tobacco ----- farms..	-	-	(NA)
\$1,000..	51 589	66 530	69 038	\$1,000..	-	-	(NA)
\$40,000 to \$59,999 ----- farms..	2 280	2 863	2 786	Hay, silage, and field seeds ----- farms..	4 741	5 061	(NA)
\$1,000..	112 313	140 070	134 641	\$1,000..	44 019	42 317	(NA)
\$40,000 to \$49,999 ----- farms..	1 227	1 832	(NA)	Vegetables, sweet corn, and			
\$1,000..	54 883	72 923	(NA)	melons ----- farms..	105	98	(NA)
\$50,000 to \$59,999 ----- farms..	1 053	1 231	(NA)	\$1,000..	407	201	(NA)
\$1,000..	57 431	67 147	(NA)	Fruits, nuts, and berries ----- farms..	252	207	(NA)
\$60,000 to \$79,999 ----- farms..	1 638	1 664	1 825	\$1,000..	2 489	1 334	(NA)
\$1,000..	113 734	114 788	111 251	Nursery and greenhouse products ----- farms..	134	113	64
\$80,000 to \$99,999 ----- farms..	1 237	1 129	967	\$1,000..	5 850	3 277	1 464
\$1,000..	110 109	100 790	85 959	Other crops ----- farms..	605	748	(NA)
\$100,000 to \$249,999 ----- farms..	3 266	2 192	(NA)	\$1,000..	40 718	30 486	(NA)
\$1,000..	489 191	319 997	(NA)	Livestock, poultry, and their			
\$100,000 to \$199,999 ----- farms..	2 799	1 641	1 540	products ----- farms..	17 175	17 448	18 140
\$1,000..	385 529	264 320	208 780	\$1,000..	787 989	688 968	480 277
\$200,000 to \$249,999 ----- farms..	487	251	(NA)	Poultry and poultry products ----- farms..	959	891	1 290
\$1,000..	103 662	55 877	(NA)	\$1,000..	9 232	8 308	8 800
\$250,000 to \$499,999 ² ----- farms..	715	375	496	Dairy products ----- farms..	604	751	(NA)
\$1,000..	238 844	124 327	141 832	\$1,000..	35 785	27 265	(NA)
\$500,000 or more ----- farms..	263	160	106	Cattle and calves ----- farms..	15 325	15 853	(NA)
\$1,000..	308 819	168 536	135 818	\$1,000..	878 086	583 554	(NA)
Abnormal farms ----- farms..	99	113	102	Sheep, lambs, and wool ----- farms..	2 484	2 131	(NA)
\$1,000..	10 658	3 898	2 502	\$1,000..	21 065	22 425	(NA)
				Hogs and pigs ----- farms..	1 562	2 318	(NA)
				\$1,000..	32 350	27 774	(NA)
				Other livestock and livestock			
				products (see text) ----- farms..	2 116	1 935	(NA)
				\$1,000..	13 451	9 641	(NA)

¹Data for 1974 include sales of forest products.²Data for 1974 are \$200,000 to \$499,999.Source: U.S. Bureau of the Census, *1982 Census of Agriculture, Montana*, p. 8.

TABLE XXII - 16

NUMERICAL RANKING OF MONTANA COUNTIES
(1983 crop production)

	All Wheat	Winter Wheat	Spring Wheat Excl. Durum	Durum Wheat	Barley	Oats	All Hay
Beaverhead	37	42	24	0	23	43	1
Big Horn	19	11	25	21	18	27	8
Blaine	8	9	7	11	12	6	13
Broadwater	27	24	22	0	14	26	33
Carbon	34	33	27	0	25	25	9
Carter	28	21	35	18	42	18	16
Cascade	10	8	16	9	5	33	7
Chouteau	2	1	3	5	1	7	32
Custer	30	23	33	22	46	9	20
Daniels	17	50	5	7	34	42	53
Dawson	14	13	11	15	21	11	39
Deer Lodge	53	0	51	0	51	56	49
Fallon	25	25	28	19	37	15	31
Fergus	12	7	23	0	4	3	3
Flathead	40	35	36	0	13	45	22
Gallatin	24	20	21	0	8	16	4
Garfield	21	19	20	0	29	14	42
Glacier	18	32	10	14	6	32	37
Golden Valley	33	26	48	0	38	35	48
Granite	52	0	50	0	54	52	25
Hill	1	2	1	12	7	4	45
Jefferson	44	40	42	0	47	41	30
Judith Basin	22	14	30	0	9	10	26
Lake	38	36	31	0	35	21	11
Lewis & Clark	42	37	37	0	32	28	21
Liberty	3	3	6	10	11	48	55
Lincoln	55	0	52	0	56	53	51
McCone	13	12	13	8	20	17	41
Madison	39	44	26	0	30	39	2
Meagher	46	41	0	0	28	36	24
Mineral	54	51	0	0	55	55	56
Missoula	51	49	47	0	50	47	36
Musselshell	36	30	43	0	40	29	40
Park	41	34	45	0	27	24	6
Petroleum	47	43	46	0	49	51	44
Phillips	15	18	8	17	15	1	10

TABLE XXII - 16
(cont.)

	All Wheat	Winter Wheat	Spring Wheat Excl. Durum	Durum Wheat	Barley	Oats	All Hay
Pondera	4	5	17	2	3	23	34
Powder River	31	22	44	0	45	34	27
Powell	50	52	40	0	41	50	14
Prairie	32	27	39	0	36	30	47
Ravalli	48	48	38	0	39	40	17
Richland	16	17	12	16	22	2	29
Roosevelt	9	29	4	4	33	5	35
Rosebud	23	15	28	0	31	37	23
Sanders	49	47	49	0	52	49	28
Sheridan	11	45	9	1	24	8	43
Silver Bow	0	0	0	0	53	54	52
Stillwater	26	16	41	0	19	38	15
Sweet Grass	45	39	0	0	43	20	19
Teton	5	4	15	6	2	31	5
Toole	6	6	14	3	10	19	54
Treasure	43	46	32	0	48	46	46
Valley	7	28	2	0	17	22	18
Wheatland	35	31	34	0	26	44	38
Wibaux	29	38	19	13	44	12	50
Yellowstone	20	10	29	20	16	13	12

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 14.

TABLE XXII - 17

NUMERICAL RANKING OF MONTANA COUNTIES
CASH RECEIPTS, 1982, & LIVESTOCK NUMBERS

County	Cash Receipts, 1982			Livestock Numbers		
	All Products	Livestock & Products	Crops	Cattle* 1/1/83	Sheep** 1/1/83	Hogs*** 12/1/82
Beaverhead	19	3	34	1	3	27
Big Horn	7	4	18	2	24	12
Blaine	16	21	16	9	14	14
Broadwater	30	43	23	37	31	25
Carbon	18	11	21	19	9	20
Carter	35	24	38	17	1	27
Cascade	5	2	12	6	12	11
Chouteau	2	25	1	22	32	1
Custer	24	10	28	7	10	24
Daniels	25	44	19	48	37	5
Dawson	20	32	13	29	32	27
Deer Lodge	55	55	53	50	43	37
Fallon	37	41	31	30	26	12
Fergus	10	6	17	3	8	4
Flathead	33	39	26	36	35	7
Gallatin	12	7	15	10	15	9
Garfield	31	22	33	15	2	23
Glacier	17	30	14	32	28	4
Golden Valley	45	28	46	43	18	17
Granite	48	38	48	34	39	38
Hill	3	42	2	42	40	3
Jefferson	51	52	49	39	42	26
Judith Basin	22	14	24	14	16	28
Lake	26	19	25	16	22	10
Lewis & Clark	38	23	43	28	13	26
Liberty	14	53	6	49	44	7
Lincoln	54	54	54	52	43	34
McCone	23	34	20	33	6	30
Madison	29	9	37	4	7	16
Meagher	39	20	47	18	20	26
Mineral	56	56	56	53	44	0
Missoula	50	46	44	47	41	37
Musselshell	43	33	41	32	11	31
Park	41	27	42	23	27	29
Petroleum	49	40	51	35	21	38
Phillips	21	13	22	8	10	20

TABLE XXII - 17
(cont.)

County	Cash Receipts, 1982			Livestock Numbers		
	All Products	Livestock & Products	Crops	Cattle* 1/1/83	Sheep** 1/1/83	Hogs*** 12/1/82
Pondera	9	36	4	40	20	2
Powder River	32	18	35	12	5	33
Powell	40	26	40	21	38	32
Prairie	36	37	30	32	25	22
Ravalli	34	15	39	26	19	21
Richland	6	5	8	27	23	19
Roosevelt	15	35	10	38	30	15
Rosebud	27	16	27	11	6	21
Sanders	52	50	52	41	36	36
Sheridan	13	49	7	44	35	21
Silver Bow	53	47	55	51	44	38
Stillwater	28	12	32	25	11	13
Sweet Grass	47	29	50	24	3	18
Teton	4	8	5	20	17	6
Toole	8	45	3	46	34	7
Treasure	42	51	29	42	43	35
Valley	11	17	11	13	29	12
Wheatland	44	31	45	31	4	8
Wibaux	46	48	36	45	33	31
Yellowstone	1	1	9	5	18	15

* Glacier, Prairie, Hill & Treasure tie in numerical ranking of cattle.

** Beaverhead, Sweet Grass; Chouteau, Dawson; Deer Lodge, Lincoln, Treasure; Flathead, Sheridan; Golden Valley, Yellowstone; Liberty, Mineral, Silver Bow; McCone, Rosebud; Meagher, Pondera; Musselshell, Stillwater; Custer & Phillips tie in numerical ranking of sheep.

*** Beaverhead, Carter, Dawson; Big Horn, Fallon, Valley; Carbon, Phillips; Deer Lodge, Missoula; Fergus, Glacier; Flathead, Liberty, Toole; Granite, Petroleum, Silver Bow; Jefferson, Lewis & Clark, Meagher; Musselshell, Wibaux; Ravalli, Rosebud, Sheridan; Roosevelt & Yellowstone tie in numerical ranking of hogs.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 15.

TABLE XXII - 18

MONTANA FARM INCOME & EXPENDITURES
(thousands of dollars)

Item	1977	1978	1979	1980	1981	1982
<u>Cash Receipts from Marketings</u>	1,030,461	1,284,989	1,480,805	1,487,000	1,488,388	1,705,133
<u>Total Livestock & Products</u>	555,341	751,933	895,527	829,453	705,717	724,805
Meat Animals & Other Livestock	519,883	713,462	852,835	782,934	654,246	673,223
Dairy Products	27,092	29,775	33,515	38,416	42,372	42,833
Poultry & Poultry Products	8,366	8,696	9,177	8,103	9,099	8,749
Total Crops	475,120	533,056	585,278	657,547	782,671	980,328
Truck Crops & Melons	185	201	191	78	58	67
Fruits, Nuts, & Berries	1,334	1,316	2,047	469	920	1,979
Greenhouse & Nursery Products	1,550	1,800	2,200	2,400	2,200	2,000
Forest Products	3,200	4,200	4,700	4,700	3,000	3,500
All Other Crops	468,851	525,539	576,140	649,900	776,493	972,782
<u>Other Income</u>	180,033	270,885	190,084	209,828	248,130	297,730
Government Payments	61,443	137,237	33,997	58,484	85,131	116,916
Imputed Income & Rent Received	118,590	133,648	156,087	151,344	162,999	180,814
<u>Production Expenses</u>	1,043,865	1,288,304	1,508,209	1,602,726	1,769,776	1,916,506
Feed Purchased	62,196	99,404	121,654	120,382	118,118	99,694
Livestock Purchased	86,674	157,245	175,612	134,911	120,504	115,631
Seed Purchased	7,354	26,257	30,296	16,325	20,909	21,244
Fertilizer & Lime Purchased	56,351	49,461	71,609	95,358	120,184	144,069
Petroleum Products Purchased	68,597	79,427	107,907	115,526	133,789	129,483
Hired Farm Labor, excluding Contract Labor	58,030	59,011	77,730	125,804	117,509	139,424
Contr. Labor, Machine Hire & Custom Work	29,133	30,783	38,218	43,479	51,909	55,111
All Other Production Expenses *	675,530	786,716	885,183	950,941	1,086,854	1,211,850
<u>Value of Inventory Change</u>	-113,358	12,772	-60,345	17,094	211,475	-25,841
Livestock	-68,321	-25,697	21,274	19,336	98,452	28,587
Crops	-45,037	38,469	-81,619	-2,242	113,023	-54,428

TABLE XXII - 18
(cont.)

Item	1977	1978	1979	1980	1981	1982
<u>Derivation of Farm Labor & Proprietors' Income:</u>						
Total Cash Rpts. & Other Income	1,210,494	1,555,874	1,670,889	1,696,828	1,736,518	2,002,863
Less Total Production Expenses	1,043,865	1,288,304	1,508,209	1,602,726	1,769,776	1,916,506
Realized Net Income	166,629	267,570	162,680	94,102	-33,258	86,357
Plus Value of Inventory Change	-113,358	12,772	-60,345	17,094	211,475	-25,841
Total Net Income incl. Corp. Farms	53,271	280,342	102,335	111,196	178,217	60,516
Less Corporate Farms	-14,526	16,222	9,142	12,802	41,909	9,003
Plus Statistical Adjustment	0	0	(Z)	(Z)	(Z)	(Z)
Total Net Farm Proprietors' Income	67,797	264,120	93,189	98,395	136,306	51,514
Plus Farm Wages & Perquisites	74,951	78,904	99,502	147,874	139,896	162,501
Plus Farm Other Labor Income	2,085	2,218	2,531	3,058	3,344	3,254
Total Farm Labor & Prop. Income	144,833	345,242	195,222	249,327	279,546	217,269

* includes repair & operation of capital items; depreciation, interest, rent & taxes; & other miscellaneous expenses

SOURCE: U.S. Bureau of Economic Analysis, Regional Economic Information System, unpublished data, April 1984.

Table XXII-19

Selected Farm Production Expenses: 1982, 1978, and 1974

[For meaning of abbreviations and symbols, see introductory text]

Item	1982 ¹		1978 ¹	1974	Item	1982 ¹		1978 ¹	1974
	Farms	Expenses (\$1,000)				Farms	Expenses (\$1,000)		
Livestock and poultry purchased..... farms..... \$1,000.....	9 879	(X)	9 529	9 825	Other agricultural chemicals ² farms..... \$1,000.....	11 505	(X)	13 024	10 296
Farms with expenses of—					Farms with expenses of—				
\$1 to \$499.....	1 398	250	1 784	2 447	\$1 to \$99.....	927	45	1 431	1 800
\$500 to \$999.....	1 122	803	1 504	1 401	\$100 to \$499.....	2 119	580	2 878	3 470
\$1,000 to \$4,999.....	2 989	7 039	3 184	3 363	\$500 to \$999.....	1 302	909	2 112	2 028
\$5,000 to \$9,999.....	1 261	8 945	1 105	1 018	\$1,000 to \$1,999.....	1 921	2 743	2 573	2 744
\$10,000 to \$14,999.....	554	8 575	409	722	\$2,000 to \$4,999.....	2 787	8 908	2 928	
\$15,000 to \$19,999.....	283	4 771	280		\$5,000 to \$9,999.....	1 474	10 227	657	
\$20,000 to \$29,999.....	388	9 147	389		\$10,000 to \$19,999.....	668	9 914	344	456
\$30,000 to \$39,999.....	230	7 770	233		\$20,000 or more.....	327	11 011	103	
\$40,000 to \$49,999.....	125	5 418	97	874	Hired farm labor..... farms..... \$1,000.....	10 207	(X)	11 303	9 929
\$50,000 to \$79,999.....	219	13 233	240		Farms with expenses of—				
\$80,000 or more.....	330	101 882	304		\$1 to \$99.....	296	17	520	560
Feed for livestock and poultry... farms..... \$1,000.....	14 467	(X)	15 943	15 940	\$100 to \$499.....	1 321	382	1 806	1 923
Farms with expenses of—					\$500 to \$999.....	1 126	773	1 280	1 248
\$1 to \$499.....	3 405	781	4 357	2 248	\$1,000 to \$2,499.....	1 788	899	2 073	1 917
\$500 to \$999.....	2 233	1 529	2 311	8 327	\$2,500 to \$4,999.....	1 770	8 223	1 894	1 882
\$1,000 to \$4,999.....	5 180	12 094	5 362	1 898	\$5,000 to \$9,999.....	1 542	10 936	1 787	1 458
\$5,000 to \$9,999.....	1 687	11 368	1 838	1 011	\$10,000 to \$19,999.....	1 310	17 860	1 181	747
\$10,000 to \$14,999.....	855	7 834	705		\$20,000 to \$29,999.....	458	10 844	419	
\$15,000 to \$19,999.....	319	5 437	338		\$30,000 to \$49,999.....	392	14 348	254	396
\$20,000 to \$29,999.....	354	8 408	406		\$50,000 or more.....	224	20 100	149	
\$30,000 to \$39,999.....	222	7 534	170	884	Contract labor..... farms..... \$1,000.....	2 075	(X)	2 482	2 083
\$40,000 to \$79,999.....	255	13 892	302		Farms with expenses of—				
\$80,000 or more.....	177	42 292	154		\$1 to \$499.....	492	136	562	529
Commercially mixed formula feeds..... farms..... \$1,000.....	5 000	(X)	5 069	11 378	\$500 to \$999.....	397	269	452	384
Farms by tons purchased:					\$1,000 to \$4,999.....	942	1 807	1 185	898
1 to 49 tons.....	4 243	(X)	4 301	10 084	\$5,000 to \$9,999.....	213	1 325	226	154
50 to 99 tons.....	373	(X)	406	711	\$10,000 to \$19,999.....	95	1 218	63	
100 to 199 tons.....	220	(X)	201	342	\$20,000 or more.....	36	1 180	14	46
200 to 499 tons.....	105	(X)	123	167	Customwork, machine hire, and rental of machinery and equipment..... farms..... \$1,000.....	8 147	(X)	10 452	9 558
500 to 799 tons.....	42	(X)	19		Farms with expenses of—				
800 to 999 tons.....	2	(X)	4	72	\$1 to \$499.....	1 887	453	3 397	3 829
1,000 tons or more.....	15	(X)	15		\$500 to \$999.....	1 362	908	1 737	1 744
Farms with expenses of—					\$1,000 to \$4,999.....	3 356	7 565	3 871	3 137
\$1 to \$499.....	1 489	326	1 583	3 727	\$5,000 to \$9,999.....	898	8 061	919	595
\$500 to \$999.....	716	492	749	1 859	\$10,000 to \$19,999.....	395	5 199	330	
\$1,000 to \$4,999.....	1 979	3 712	1 664	4 120	\$20,000 or more.....	251	10 794	198	253
\$5,000 to \$9,999.....	523	3 573	493	955	Energy and petroleum products..... farms..... \$1,000.....	23 478	(X)	23 474	(NA)
\$10,000 to \$14,999.....	185	1 927	208	542	Farms with expenses of—				
\$15,000 to \$19,999.....	117	2 024	120		\$1 to \$499.....	3 634	935	3 851	(NA)
\$20,000 to \$29,999.....	137	3 212	111		\$500 to \$999.....	2 945	2 128	2 941	(NA)
\$30,000 to \$39,999.....	44	1 481	42	373	\$1,000 to \$1,999.....	2 785	3 964	3 678	(NA)
\$40,000 to \$49,999.....	36	1 657	33		\$2,000 to \$4,999.....	4 240	14 504	7 162	(NA)
\$50,000 or more.....	92	11 549	86		\$5,000 to \$9,999.....	4 557	32 741	4 079	(NA)
Seeds, bulbs, plants, and trees..... farms..... \$1,000.....	9 401	(X)	9 332	8 332	\$10,000 to \$19,999.....	3 747	51 797	1 421	(NA)
Farms with expenses of—					\$20,000 to \$39,999.....	1 348	35 972	260	(NA)
\$1 to \$499.....	2 875	655	3 540	4 384	\$40,000 or more.....	240	15 654	52	(NA)
\$500 to \$999.....	1 658	1 143	1 588	1 382	Petroleum products..... farms..... \$1,000.....	23 454	(X)	23 457	22 938
\$1,000 to \$4,999.....	3 887	8 802	2 894	2 215	Farms with expenses of—				
\$5,000 to \$9,999.....	692	4 489	346	258	\$1 to \$499.....	4 978	1 175	5 018	5 207
\$10,000 to \$19,999.....	226	2 947	131	133	\$500 to \$999.....	2 755	1 827	2 861	3 293
\$20,000 or more.....	63	3 085	33		\$1,000 to \$1,999.....	2 321	3 285	3 875	
Commercial fertilizer..... farms..... \$1,000.....	10 884	(X)	12 952	11 005	\$2,000 to \$4,999.....	4 352	14 727	7 011	11 804
Farms with expenses of—					\$5,000 to \$9,999.....	4 557	32 630	3 584	2 030
\$1 to \$499.....	2 150	508	2 042	2 300	\$10,000 to \$19,999.....	3 261	44 454	1 087	
\$500 to \$999.....	1 279	805	1 554	1 652	\$20,000 to \$39,999.....	1 063	27 517	187	514
\$1,000 to \$4,999.....	3 780	8 968	5 144	4 898	\$40,000 or more.....	189	10 830	36	
\$5,000 to \$9,999.....	1 501	10 377	2 213	1 308	Interest expense..... farms..... \$1,000.....	13 560	(X)	(NA)	(NA)
\$10,000 to \$19,999.....	1 279	17 515	1 147	597	Farms with expenses of—				
\$20,000 to \$29,999.....	492	11 722	262		\$1 to \$499.....	1 018	238	(NA)	(NA)
\$30,000 to \$39,999.....	200	8 748	127	250	\$500 to \$999.....	873	718	(NA)	(NA)
\$40,000 or more.....	324	23 080	163		\$1,000 to \$4,999.....	3 969	10 529	(NA)	(NA)
					\$5,000 to \$9,999.....	2 238	15 292	(NA)	(NA)
					\$10,000 or more.....	5 362	180 483	(NA)	(NA)

¹Data for 1982 and 1978 are based on a sample of farms.²Data for 1978 and 1974 include the cost of lime which was not collected in 1982.

Source: U.S. Bureau of the Census, 1982 Census of Agriculture, Montana, p. 6.

TABLE XXII - 20

MONTANA IRRIGATED & NON-IRRIGATED CROPS: 1982-83
(acres harvested)

County & District	Irrigated		Non-Irrigated	
	1982 Acres Harvested	1983 Acres Harvested	1982 Acres Harvested	1983 Acres Harvested
Deer Lodge	16,300	12,700	900	900
Flathead	35,050	30,400	40,500	37,600
Granite	33,700	30,900	3,300	1,900
Lake	52,750	49,000	19,200	22,100
Lincoln	6,800	5,600	3,800	3,600
Mineral	1,400	1,200	1,700	1,300
Missoula	20,500	18,300	18,200	10,200
Powell	36,150	47,000	11,500	12,200
Ravalli	42,050	40,100	4,900	5,900
Sanders	14,800	15,700	15,700	14,300
N.West Total	259,500	250,900	119,700	110,000
Blaine	35,900	35,900	243,900	223,000
Chouteau	23,400	13,900	719,500	663,200
Glacier	31,100	19,000	219,600	222,000
Hill	6,600	5,900	554,800	522,800
Liberty	6,300	3,900	276,300	280,700
Phillips	63,100	50,800	233,500	194,100
Pondera	48,000	45,600	272,300	246,200
Teton	90,400	86,100	199,500	232,000
Toole	3,600	2,600	324,500	298,000
N.Central Total	308,400	263,700	3,043,900	2,882,000
Daniels	2,400	900	314,600	239,200
Dawson	17,260	12,620	246,900	208,200
Garfield	9,100	8,600	150,200	130,800
McCone	6,400	4,700	299,500	231,300
Richland	40,490	29,840	247,400	201,000
Roosevelt	8,400	6,920	370,300	319,500
Sheridan	6,300	4,700	395,100	301,700
Valley	53,900	33,300	401,700	325,400
N.East Total	144,250	101,580	2,425,700	1,957,100
Broadwater	32,100	41,700	43,900	35,500
Cascade	23,600	36,500	235,600	223,800
Fergus	22,400	19,700	354,000	334,800
Golden Valley	9,400	8,900	58,400	55,400
Judith Basin	7,000	9,000	155,800	172,100
Lewis & Clark	39,800	30,600	31,500	31,500
Meagher	46,700	35,500	30,300	32,500
Musselshell	9,500	10,800	42,700	46,700
Petroleum	13,600	10,700	24,400	17,300
Wheatland	19,700	17,100	53,300	58,700
Central Total	223,800	220,500	1,029,900	1,008,300

TABLE XXII - 20
(cont.)

County & District	Irrigated		Non-Irrigated	
	1982 Acres Harvested	1983 Acres Harvested	1982 Acres Harvested	1983 Acres Harvested
Beaverhead	169,300	157,300	6,700	8,400
Gallatin	71,400	74,400	79,600	79,800
Jefferson	33,300	27,200	11,300	10,000
Madison	111,750	95,100	13,900	11,400
Silver Bow	7,800	6,200	2,000	900
S.West Total	393,550	360,200	113,500	110,500
Big Horn	42,270	37,280	157,800	146,400
Carbon	53,200	53,260	47,200	38,500
Park	49,800	42,700	32,200	33,500
Stillwater	25,380	23,080	102,900	104,900
Sweet Grass	42,000	34,800	22,600	24,300
Treasure	14,790	15,180	18,100	9,800
Yellowstone	80,330	60,460	120,700	114,900
S.Central Total	307,770	266,760	501,500	472,300
Carter	4,600	4,500	117,800	116,000
Custer	27,550	20,000	101,800	75,200
Fallon	4,700	6,500	131,400	112,500
Powder River	14,700	9,600	93,500	86,600
Prairie	9,680	7,580	62,300	58,000
Rosebud	29,800	25,680	91,000	89,600
Wibaux	1,600	1,400	94,200	73,300
S.East Total	92,630	75,260	692,000	611,200
State Totals	1,729,900	1,538,900	7,926,200	7,151,400

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 19.

PRICES RECEIVED BY MONTANA FARMERS
SELECTED COMMODITIES BY MONTHS: 1979-1984

Crop & Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Avg.
<u>All Wheat</u>													
1979	2.76	2.79	2.82	2.82	2.84	3.11	3.32	3.43	3.67	3.80	3.74	3.70	3.23
1980	3.63	3.71	3.64	3.66	3.66	3.80	4.11	4.00	4.12	4.24	4.47	4.40	3.96
1981	4.31	4.46	4.30	4.41	4.27	4.16	3.72	3.59	3.55	3.65	3.80	3.74	4.00
1982	3.81	3.76	3.72	3.80	3.73	3.64	3.60	3.44	3.46	3.45	3.50	3.55	3.62
1983	3.54	3.52	3.62	3.64	3.76	3.69	3.71	3.71	3.73	3.71	3.64	3.55	3.65
1984	3.63	3.60	3.63	3.76	3.77	3.85	3.69						
<u>Winter Wheat</u>													
1979	2.76	2.73	2.80	2.81	2.81	3.09	3.34	3.41	3.62	3.66	3.73	3.74	3.21
1980	3.64	3.72	3.41	3.47	3.54	3.54	3.73	3.62	3.74	3.93	4.14	4.10	3.72
1981	4.13	4.22	4.13	4.12	4.08	3.99	3.63	3.52	3.57	3.67	3.85	3.73	3.89
1982	3.74	3.63	3.69	3.65	3.65	3.44	3.41	3.39	3.44	3.50	3.52	3.54	3.55
1983	3.66	3.56	3.66	3.60	3.65	3.62	3.49	3.52	3.59	3.59	3.53	3.46	3.58
1984	3.54	3.46	3.44	3.53	3.56	3.65	3.40						
<u>Spring Wheat, excluding Durum</u>													
1979	2.74	2.85	2.82	2.79	2.86	3.14	3.27	3.43	3.64	3.74	3.64	3.61	3.21
1980	3.58	3.67	3.66	3.72	3.71	3.77	3.99	4.06	4.17	4.31	4.34	4.28	3.94
1981	4.28	4.27	4.35	4.51	4.38	4.29	3.81	3.72	3.54	3.63	3.75	3.78	4.03
1982	3.88	3.87	3.75	3.90	3.81	3.79	3.69	3.59	3.48	3.42	3.48	3.57	3.68
1983	3.45	3.46	3.59	3.71	3.88	3.77	3.77	3.84	3.80	3.80	3.73	3.67	3.71
1984	3.70	3.71	3.80	3.85	3.95	3.99	3.90						
<u>Barley</u>													
1979	1.69	1.63	1.68	1.70	1.76	1.76	1.88	1.98	2.17	2.27	2.01	2.32	1.90
1980	2.16	2.07	2.03	2.12	2.11	2.14	2.26	2.39	2.42	2.60	2.71	2.83	2.32
1981	2.91	2.91	2.94	2.91	2.96	2.97	2.88	2.19	2.25	2.19	2.21	2.42	2.65
1982	2.38	2.25	2.27	2.28	2.38	2.34	2.16	2.12	1.88	1.70	1.79	2.11	2.14
1983	2.06	1.94	2.14	2.20	2.19	2.16	2.20	2.22	2.27	2.38	2.42	2.47	2.22
1984	2.50	2.52	2.51	2.51	2.60	2.66	2.49						

TABLE XXII - 21
(cont.)

Crop & Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Avg.
All Hay													
1979	46.00	47.50	47.50	46.50	45.50	49.50	50.50	55.50	55.50	56.50	56.50	58.50	51.29
1980	54.50	53.00	55.00	56.50	55.00	60.00	65.00	66.50	65.00	67.00	67.50	64.50	60.80
1981	60.00	60.00	55.00	53.00	50.00	55.00	51.00	52.00	54.00	54.00	48.00	45.00	53.08
1982	47.00	48.00	46.00	45.00	44.00	47.00	47.00	45.00	48.00	50.00	55.00	52.00	47.83
1983	51.00	51.00	48.00	50.00	50.00	50.00	50.00	54.00	60.00	60.00	65.00	70.00	55.00
1984	70.00	75.00	76.00	84.50	85.00	85.00	80.00						
Beef Cattle													
1979	61.20	63.90	71.70	76.00	74.00	62.90	61.40	60.30	74.10	70.10	62.90	60.60	66.59
1980	60.30	65.00	63.10	54.50	52.80	54.60	53.90	61.50	63.60	62.00	55.40	50.20	58.08
1981	55.20	57.00	55.30	57.70	52.70	51.70	49.00	48.80	54.00	51.40	48.00	43.00	51.99
1982	44.10	48.90	52.90	51.60	50.70	46.00	45.20	53.50	54.00	49.30	45.20	41.90	48.61
1983	47.80	54.20	58.90	57.50	53.10	48.30	44.30	43.70	47.30	43.70	43.20	41.50	48.63
1984	45.60	53.10	56.00	51.20	49.40	44.10	45.20						
Steers & Heifers													
1979	69.50	69.60	76.30	80.40	79.60	72.80	72.90	64.80	77.00	74.00	72.00	73.00	73.49
1980	72.60	76.50	71.20	63.10	61.80	64.10	65.60	68.50	67.90	67.70	69.00	66.40	67.87
1981	65.70	67.20	62.00	65.40	60.20	61.40	58.80	58.20	60.30	58.00	58.80	55.20	60.93
1982	55.50	57.80	60.60	60.40	60.60	58.60	57.90	60.60	60.00	57.80	57.80	57.60	58.77
1983	59.40	64.90	65.90	63.70	62.00	61.60	55.10	51.90	52.60	51.70	55.30	56.70	58.40
1984	59.70	62.10	62.60	58.60	58.50	55.00	55.60						
Cows													
1979	48.20	51.80	56.30	57.60	58.40	53.40	51.70	46.60	50.00	48.00	45.00	47.00	51.17
1980	48.00	50.30	51.80	42.90	41.50	44.30	43.90	45.90	46.40	44.90	42.80	42.30	45.42
1981	44.70	46.40	43.90	42.80	41.10	43.20	42.40	42.60	40.10	37.30	34.70	34.20	41.12
1982	36.70	37.20	41.70	39.30	42.60	40.90	41.40	40.40	39.10	36.90	33.00	32.10	38.45
1983	35.60	41.30	43.00	42.10	41.50	41.10	39.30	38.70	35.90	33.00	32.30	34.60	38.20
1984	35.40	39.70	42.90	39.20	39.90	40.10	40.70						

TABLE XXII - 21
(cont.)

Crop & Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Avg.
Calves													
1979	86.70	91.10	94.20	97.80	96.50	90.90	87.90	77.00	92.00	92.00	88.00	87.00	90.09
1980	85.00	90.00	82.80	72.60	70.00	73.80	73.90	73.30	77.90	77.70	75.20	71.70	77.00
1981	71.70	71.00	68.20	69.60	64.50	63.40	61.50	63.20	62.20	58.40	58.60	56.30	64.05
1982	56.50	59.80	61.10	61.70	63.20	62.90	61.00	61.10	60.20	62.30	60.50	58.00	60.70
1983	64.70	66.30	67.40	67.00	67.70	65.10	56.90	55.90	54.70	57.40	58.80	60.90	61.90
1984	62.20	64.80	62.50	60.70	59.90	58.70	58.80						
Lambs													
1979	82.00	82.00	70.00	72.00	71.00	65.00	65.00	65.00	68.00	67.10	64.10	69.50	70.06
1980	66.20	61.30	65.80	57.30	55.60	56.80	67.50	64.30	63.70	61.00	58.40	56.60	61.21
1981	52.20	56.80	52.20	50.40	53.30	56.80	57.90	50.70	46.20	45.80	44.40	45.90	51.05
1982	47.80	50.10	57.20	54.80	56.60	52.80	52.80	50.10	48.80	46.20	46.40	48.40	51.00
1983	54.40	63.90	62.50	53.80	49.60	51.40	47.40	44.80	43.00	47.00	51.30	55.00	52.03
1984	57.10	57.00	54.50	52.50	49.00	53.90	57.60						
Hogs													
1979	50.70	50.00	49.10	43.70	42.40	39.00	38.50	35.00	35.60	34.10	31.90	34.40	40.37
1980	35.00	35.90	34.00	27.30	26.60	31.90	39.90	45.70	44.60	45.90	43.20	41.10	37.61
1981	38.90	42.40	39.50	38.20	39.30	43.70	43.40	46.30	44.10	43.00	37.90	37.20	41.16
1982	41.40	48.50	46.20	48.90	53.40	58.40	58.30	60.10	58.50	55.20	49.30	53.60	52.65
1983	55.10	54.90	50.80	45.70	44.80	42.20	42.80	47.20	41.10	40.50	34.00	41.00	45.01
1984	44.60	42.30	42.70	43.90	43.00	44.00	48.40						

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 53.

MONTANA WHEAT SHIPPED OUT OF STATE: 1972-83
BY CLASS & DESTINATION
(thousand bushels)

Crop & Year*	All Wheat			Winter Wheat			Spring Wheat**		
	East	West	Other	Total	East	West	Other	East	West
1972	7,685	98,149	563	106,397	4,567	52,100	67	3,118	46,049
1973	2,549	84,430	184	87,163	499	50,025	97	2,050	34,405
1974	6,426	73,374	1,158	80,958	4,797	43,662	1,000	1,629	29,712
1975	13,440	90,196	2,041	105,677	10,637	61,863	1,260	2,803	28,333
1976	12,490	74,510	1,808	88,808	9,151	48,153	495	3,339	26,357
1977	6,333	74,428	1,612	82,373	5,040	51,607	661	1,293	22,821
1978	4,658	94,726	1,228	100,612	3,190	63,241	566	1,468	31,485
1979	4,941	91,703	1,524	98,168	2,408	51,177	826	2,533	40,526
1980	5,179	72,908	1,185	79,272	2,384	36,755	484	2,795	36,153
1981	3,949	94,646	724	99,319	1,783	46,239	331	2,166	48,407
1982	2,627	120,264	806	123,697	672	61,045	130	1,955	59,219
1983	4,289	113,142	1,481	118,912	909	51,154	203	3,380	61,988

* Crop year July through June the following year until 1976, when the crop year changed to June through May the following year.

** Includes durum wheat.

NOTE: Other includes unknown.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 46.

WHEAT SHIPPED OUT OF MONTANA: 1982 & 1983 CROP YEARS
BY CLASS, DISTRICT, MODE & DESTINATION
(thousand bushels)

District of Origin, Mode & Destination	June 1982 - May 1983		June 1983 - May 1984	
	Winter Wheat	Spring** Wheat	Winter Wheat	Spring** Wheat
Northwest	264	676	341	297
Northcentral	31,234	28,902	29,292	31,477
Northeast	4,962	22,127	4,474	25,109
Central	15,495	5,443	9,419	5,146
Southwest	1,369	1,514	1,278	1,102
Southcentral	5,829	2,447	5,607	2,334
Southeast	2,694	741	1,855	1,181
State:				
Truck East	658	693	723	747
Truck West	12,069	12,210	10,375	11,243
Truck Other/Unkn.	130	629	170	1,237
Total by Truck	12,857	13,532	11,268	13,227
Rail East	14	1,262	186	2,633
Rail West	48,976	47,009	40,779	50,745
Rail Other/Unkn.	0	47	33	41
Total by Rail	48,990	48,318	40,998	53,419
Total Wheat Shipped	61,847	61,850	52,266	66,646
				118,912

* Based on data reported by commercial elevators & licensed truckers. Reported data were expanded to represent 100 percent of elevator capacity.

** Includes durum.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 46.

TABLE XXII - 24

MONTANA WHEAT PRODUCTION, STOCKS, & UTILIZATION
1978-1982 MARKETING YEARS
(million bushels)

Item	1978	1979	1980	1981	1982
<u>Supply</u>					
Beginning stocks, farm & commercial	97.9	87.1	74.6	75.8	88.3
Production	146.1	116.5	119.8	172.8	183.6
Total supply	244.0	203.6	194.4	248.6	271.9
<u>Disposition</u>					
Recorded movement out of state*	113.0	107.9	95.0	115.4	138.2
Milled for flour in Montana	8.3	7.9	7.9	8.9	7.7
Used for seed in Montana	5.4	6.4	6.4	6.0	5.0
Used for livestock feed**	3.0	1.7	1.9	1.8	1.9
Unaccounted disappearance (to balance)***	27.2	5.1	7.4	28.2	5.5
Total disposition	156.9	129.0	118.6	160.3	158.3
Ending stocks, farm & commercial	87.1	74.6	75.8	88.3	113.6

* Reported by elevators, licensed truckers, & special survey of truck destinations.

** Utilization for feed includes on farms where grown, cattle feeders, feed mills, & purchased by other farmers for feed.

*** Due to unknown in components, probably most is unrecorded truck movement.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 47.

TABLE XXII - 25

MONTANA WHEAT MOVEMENT TO OREGON & WASHINGTON
UTILIZATION & EXPORTS*
MARKETING YEARS 1978-1982*
(million bushels)

Item	1978	1979	1980	1981	1982
Beginning stocks	97.9	87.1	74.6	75.8	88.3
Production	146.1	116.5	119.8	172.8	183.6
Ending Stocks	-87.1	-74.6	-75.8	-88.3	-113.6
Total Disposition	156.9	129.0	118.6	160.3	158.3
Shipments of wheat into Oregon & Washington (adjusted for unaccounted disappearance)	114.8	92.7	92.5	134.5	137.4
Estimated Montana wheat milled for flour in Washington & Oregon (includes bulgur)	21.5	16.5	21.2	20.5	18.6
Estimated Montana wheat exported from Oregon & Washington ports	93.3	76.2	71.3	114.0	118.8
Percent of total disposition	59%	59%	60%	71%	75%
Inspected exports of Hard Red Spring, Hard Red Winter, & Durum from Oregon & Washington ports	175.1	193.1	179.0	166.5	216.2
Montana exports as percent of total HRS, HRW & Durum exports from Oregon & Washington ports	53%	39%	40%	68%	55%

* June 1 - May 31

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 47. Based on information from the Montana Grain Movement project.

TABLE XXII - 26

NUMBER OF CATTLE FEEDLOTS IN MONTANA: 1972-81^{*}
(by size of feedlot capacity)

Year	Total Number of Feedlots	Feedlots by Capacity				
		Under 1,000 Head	1,000- 1,999	2,000- 3,999	4,000- 7,999	8,000 & over
1972	389	317	36	17	14	5
1973	305	236	31	20	11	7
1974	276	211	26	21	12	6
1975	152	102	13	19	13	5
1976	119	70	15	16	13	5
1977	101	61	8	13	15	4
1978	119	75	13	13	16	2
1979	73	29	12	14	16	2
1980	74	29	12	14	15	4
1981	83	45	9	10	14	5

* Number of feedlots with 1,000 head or more capacity is number of lots operating any time during year. Number of under 1,000 head capacity and total number of feedlots is number at end of year.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p.66.

TABLE XXII - 27

AGRICULTURAL EXPORTS, MONTANA & U.S.
1982 & 1983^{*}
(in millions of dollars)

Commodity	Montana		United States	
	1982	1983	1982	1983
Wheat & Products	511.8	415.2	7,675.1	6,225.8
Feed Grains & Products	26.1	25.0	7,684.6	7,340.1
Fruits & Preparations	-	-	1,394.1	1,374.3
Vegetables & Preparations	-	-	1,442.1	989.4
Live Animals & Meat	22.6	20.2	1,230.3	1,189.8
Hides & Skins	18.8	18.9	1,021.2	997.5
Poultry & Products	0.4	-	579.0	451.1
Fats, Oils & Greases	16.4	13.4	701.6	593.2
Dairy Products	0.5	-	367.8	348.0
Other	23.2	24.3	16,998.7	15,262.0
All Commodities:	619.8	517.0	39,094.5	34,771.2

* for fiscal year ending September 30

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 79.

TABLE XXII - 28

U.S. AGRICULTURAL EXPORTS TO 20 LEADING MARKETS:
VALUE BY COUNTRY
1982 & 1983

Country	1982		1983		Percent Change
	Mil. Dol.	Rank	Mil. Dol.	Rank	
Japan	5,555	1	6,251	1	+13
Netherlands *	3,085	2	2,576	2	-16
Mexico	1,156	9	1,942	3	+68
Canada	1,820	4	1,844	4	+1
South Korea	1,581	6	1,840	5	+16
West Germany	1,448	8	1,529	6	+6
USSR	1,866	3	1,473	7	-21
Taiwan	1,155	10	1,308	8	+13
Spain	1,681	5	1,207	9	-28
Egypt	803	14	970	10	+21
Belgium-Luxembourg *	906	13	834	11	-8
United Kingdom	915	12	823	12	-10
Italy	989	11	731	13	-26
India	350	24	699	14	+100
Venezuela	671	15	665	15	-1
Portugal	578	17	660	16	+14
China, Mainland	1,505	7	544	17	-64
France	625	16	485	18	-22
Brazil	526	18	479	19	-9
Saudi Arabia	500	19	446	20	-11

* Not adjusted for transshipments

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 80.

Table XXII-29
MONTANA

Agricultural Energy and Petroleum Products Expenses: 1982 and 1978

(Data are based on a sample of farms.)

Kind of energy	1982		1978		Kind of energy	1982		1978	
	Farms	Expenses (\$1,000)	Farms	Expenses (\$1,000)		Farms	Expenses (\$1,000)	Farms	Expenses (\$1,000)
Gasoline and gasohol ----- farms..	22 777	(X)	22 907	(X)	Natural gas ----- farms..	757	(X)	910	(X)
\$1,000..	(X)	65 881	(X)	40 974	\$1,000..	(X)	1 075	(X)	700
Farms with expenses of--					Farms with expenses of--				
\$1 to \$499	8 400	1 378	8 424	1 507	\$1 to \$99	53	2	92	5
\$500 to \$999	2 544	1 718	3 707	2 817	\$100 to \$499	245	83	512	129
\$1,000 to \$1,999	3 106	4 212	5 113	7 280	\$500 to \$999	200	136	195	127
\$2,000 to \$4,999	8 163	19 249	8 188	18 202	\$1,000 to \$1,999	196	185	83	63
\$5,000 to \$9,999	3 350	21 935	1 271	8 083	\$2,000 to \$4,999	73	189	31	90
\$10,000 to \$19,999	1 051	12 706	191	2 398	\$5,000 or more	30	489	17	267
\$20,000 or more	163	4 685	35	868					
Diesel fuel ----- farms..	15 950	(X)	18 046	(X)	Motor oil and grease ¹ ----- farms..	23 454	(X)	23 456	(X)
\$1,000..	(X)	54 491	(X)	24 766	\$1,000..	(X)	7 775	(X)	5 036
Farms with expenses of--					Farms with expenses of--				
\$1 to \$499	3 458	763	5 278	1 178	\$1 to \$99	8 548	322	9 436	386
\$500 to \$999	2 013	1 333	3 014	2 112	\$100 to \$499	9 882	2 214	11 413	2 396
\$1,000 to \$1,999	2 375	3 204	3 596	4 879	\$500 to \$999	3 182	1 947	1 882	1 156
\$2,000 to \$4,999	4 436	13 515	3 311	9 891	\$1,000 to \$1,999	1 528	1 818	574	688
\$5,000 to \$9,999	2 459	18 181	667	4 284	\$2,000 to \$4,999	470	1 175	143	352
\$10,000 or more	1 208	19 495	178	2 824	\$5,000 or more	43	300	8	56
LP gas, butane, and propane ----- farms..	5 025	(X)	4 980	(X)	Electricity ----- farms..	18 589	(X)	18 024	(X)
\$1,000..	(X)	5 628	(X)	3 486	\$1,000..	(X)	20 259	(X)	12 004
Farms with expenses of--					Farms with expenses of--				
\$1 to \$99	876	33	1 219	47	\$1 to \$99	1 424	70	1 778	95
\$100 to \$499	1 201	301	1 676	440	\$100 to \$499	7 289	1 916	9 436	2 491
\$500 to \$999	1 076	728	1 016	665	\$500 to \$999	4 303	2 920	3 741	2 513
\$1,000 to \$2,499	1 042	1 345	882	878	\$1,000 to \$1,999	3 086	4 130	2 067	2 733
\$2,500 to \$4,999	702	1 840	338	921	\$2,000 to \$4,999	1 809	5 129	758	2 118
\$5,000 or more	128	1 281	49	530	\$5,000 or more	658	8 095	248	2 057
Fuel oil and kerosene ¹ ----- farms..	2 226	(X)	4 201	(X)	Other--coal, wood, coke, etc.----- farms..	3 116	(X)	1 850	(X)
\$1,000..	(X)	1 876	(X)	2 058	\$1,000..	(X)	910	(X)	487
Farms with expenses of--					Farms with expenses of--				
\$1 to \$99	306	13	850	43	\$1 to \$99	505	27	381	19
\$100 to \$499	704	171	2 069	567	\$100 to \$499	2 110	455	1 248	253
\$500 to \$999	597	376	639	554	\$500 to \$999	413	227	174	101
\$1,000 to \$1,999	448	547	324	407	\$1,000 to \$1,999	63	70	31	40
\$2,000 to \$4,999	150	403	93	242	\$2,000 to \$4,999	21	55	15	46
\$5,000 or more	21	188	27	245	\$5,000 or more	4	77	3	27

¹1982 data include kerosene with fuel oil; 1978 data include kerosene with motor oil and grease.

Source: U.S. Bureau of the Census, 1982 Census of Agriculture, Montana, p. 7.

MONTANA FARM STORAGE CAPACITY & FUEL EXPENSES
BY KIND OF FUEL: 1982

Fuel Expenses Reported	Gasoline & Gasohol		Diesel Fuel		LP Gas, Butane & Propane		Fuel Oil & Kerosene	
	All Farms	Farms with \$5,000 or More	All Farms	Farms with \$5,000 or More	All Farms	Farms with \$5,000 or More	All Farms	Farms with \$5,000 or More
Expenses reported: Farms	22,777	4,564	15,950	3,668	5,025	128	2,226	21
Dollars (000)	65,881	39,327	54,491	35,677	5,629	1,281	1,676	166
Storage capacity reported: Farms	16,324	4,123	12,444	3,291	3,623	98	1,565	18
Gallons (000)	12,278	5,457	12,101	6,546	3,082	406	784	34
Expenses (\$000)	57,502	35,530	47,813	31,990	4,493	961	1,339	146
Farms with storage capacity: 1-499 gallons	5,376	223	3,922	155	885	3	793	0
500-999 gallons	6,394	1,438	3,920	610	1,182	4	512	4
1,000-1,999 gallons	3,695	1,660	3,196	1,315	1,336	17	248	8
2,000 or more gallons	859	802	1,406	1,211	220	74	12	6
Storage capacity reported as "No": Farms	3,105	41	1,159	37	257	1	117	0
Expenses (\$000)	1,916	321	1,101	331	109	(D)	69	0
Storage capacity not reported: Farms	3,348	400	2,347	340	1,145	29	544	3
Expenses (\$000)	6,463	3,476	5,577	3,355	1,027	(D)	267	19

SOURCE: U.S. Bureau of the Census, 1982 Census of Agriculture, Montana, p. 7.

TABLE XXII - 31

NUMBER OF WORKERS ON MONTANA FARMS: 1972-82
(Family & Hired Workers)

Year	January	April	July	October	Annual Average
<u>Total Workers</u>					
1972	27,000	45,000	51,000	37,000	40,000
1973	26,000	42,000	55,000	38,000	40,000
1974	22,000	37,000	51,000	39,000	37,000
1975	26,000	29,000	41,000	33,000	32,000
1976	28,000	34,000	39,000	32,000	33,300
1977	22,600	36,000	41,000	28,000	31,900
1978	24,500	34,100	41,000	31,600	32,800
1979	30,200	34,000	43,000	26,000	33,500
1980	25,000	35,000	42,000	34,000	34,000
1981	33,600	35,000			
<u>Family Workers</u>					
1972	23,000	33,000	31,000	28,000	29,000
1973	22,000	31,000	30,000	28,000	28,000
1974	16,000	26,000	31,000	26,000	25,000
1975	18,000	20,000	26,000	23,000	22,000
1976	21,000	25,000	27,000	23,000	24,000
1977	18,000	28,000	29,000	22,000	24,000
1978	20,000	27,000	27,000	26,000	25,000
1979	23,300	23,000	32,000	17,000	24,000
1980	16,000	25,000	31,000	28,000	25,000
1981	16,000	25,000			
<u>Hired Workers</u>					
1972	4,000	12,000	20,000	9,000	11,000
1973	4,000	11,000	25,000	10,000	13,000
1974	6,000	11,000	20,000	13,000	13,000
1975	8,000	9,000	15,000	10,000	11,000
1976	7,000	9,000	12,000	9,000	9,300
1977	4,600	8,000	12,000	6,000	7,700
1978	4,500	7,100	14,000	5,600	7,800
1979	6,900	11,000	11,000	9,000	9,500
1980	9,000	10,000	11,000	6,000	9,000
1981*	9,600	10,000			

* Series discontinued after April 1981.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1982, p. 19.

TABLE XXII - 32

FARM WAGE RATES: 1972-1982
(paid to all hired workers in dollars per hour)

Year	January	April	July	October	Annual Average
1972	1.80	1.80	1.80	1.93	1.83
1973	1.95	2.00	2.04	2.08	2.02
1974	2.22	1.84	1.97	2.35	2.10
1975	2.38	1.94	1.89	2.55	2.19
1976	2.53	2.20	2.08	2.42	2.31
1977	2.58	2.30	2.10	2.37	2.34
1978	2.50	2.72	2.38	2.53	2.49
1979	2.84	2.80	2.52	2.93	2.74
1980*	3.25	3.14	2.67	3.17	3.03
1981	2.52	3.14			

* Series discontinued after April 1981.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1982, p. 19.

TABLE XXII - 33

MONTANA FARM PAYROLL, EMPLOYMENT
& CONTRACT LABOR EXPENSES: 1982 & 1978

Labor Expenses Reported	All Farms		Farms w/Sales of \$10,000 or More	
	1982	1978	1982	1978
<u>Hired Farm Labor:</u>				
Farms	10,207	11,303	8,419	9,446
Workers	34,754	40,194	30,006	35,466
Payroll (\$000)	84,462	70,884	81,737	68,879
<u>Workers by Days Worked:</u>				
150 Days or More				
Farms	5,101	5,302	4,864	5,105
Workers	11,039	11,594	10,626	11,293
Less than 150 Days				
Farms	8,021	9,073	6,375	7,350
Workers	23,715	28,600	19,380	24,173
<u>Contract Labor</u>				
Farms	2,075	2,482	1,667	2,093
Expenses (\$000)	6,016	5,952	5,747	5,558

SOURCE: U.S. Bureau of the Census, 1982 Census of Agriculture, Montana, p. 7.

TABLE XXII - 34

TAXABLE VALUE OF MONTANA AGRICULTURAL LAND & IMPROVEMENTS:
1979 - 1982
(in thousands of dollars)

Item	1979 Taxable Value	1980 Taxable Value	1981 Taxable Value	1982 Taxable Value
Agricultural Land:	\$146,918,684	\$146,231,403	\$146,195,865	\$146,571,946
Irrigated	14,032,635	13,956,940	13,940,057	15,076,828
Non-Irrigated	80,435,663	80,786,955	81,101,149	80,682,569
Grazing Land	39,067,867	39,527,778	39,202,835	38,851,408
Orchard Land	0	0	0	59,865
Wild Hay Land	5,472,561	5,525,741	5,557,924	5,554,345
Timberland	7,909,958	6,433,989	6,393,900	6,346,931
Improvements:	49,366,174	52,817,298	56,420,208	58,225,178

SOURCE: Montana Dept. of Revenue, Biennial Reports (some unpublished)

TABLE XXII - 35

MONTANA LOAN DELINQUENCY RATE BY SIZE OF FARM: 1984

Size of Farm (acres)	% Real Estate Loans Delinquent	% Non-Real Estate Loans Delinquent
499 or Less	25.0	31.8
500 - 999	28.6	37.5
1,000 - 1,999	14.3	24.5
2,000 - 2,999	18.8	34.1
3,000 - 4,999	13.6	32.1
5,000 - 9,999	8.6	31.8
More than 10,000	12.7	28.3
State Total:	17.6	30.6

SOURCE: Montana Crop & Livestock Reporting Service, "Montana Agricultural Finance Summary," 1984. Funded by the Governor's Council for Economic Development, Montana Dept. of Commerce. Hereinafter MCLRS, "Montana Agricultural Finance Summary," 1984.

TABLE XXII - 36

MONTANA FARM NUMBERS, ASSETS & DEBT COMPARISONS: 1984

Year	Number of Farms	Avg. Value per Acre (\$)	Avg. Farm Assets (\$000)	Avg. Total Debt (\$000)	Debt/Assets Debt (%)
1979	23,700	\$195	\$677,004	\$118,873	17.6
1980	23,800	227	780,475	138,832	17.7
1981	23,900	232	813,603	150,615	18.5
1982	24,000	254	846,829	166,970	19.7
1983	24,000	236	812,329	179,250	22.1
1984	24,000	(NA)	769,114	216,854	28.2

SOURCE: 1979-1983 from U.S. Dept. of Agriculture, Economic Research Service; 1984 from Survey of Montana Farmers, October 1984. In MCLRS, "Montana Agricultural Finance Summary," 1984.

TABLE XXII - 37

MAJOR CAUSE OF FARM PROBLEMS IN MONTANA: 1984
(in percent)

Reason	All Farmers & Ranchers	Cash Grain	Livestock Producers	Commercial Banks	FmHA	PCAs	Fed. Land Bank
Bought Land too high	3.7	3.1	4.3	5.0	-	-	-
High Cost of Equip.	12.9	15.2	13.7	6.3	-	-	-
High Interest Rates	22.3	19.9	23.1	17.5	50.0	10.0	13.3
Govt. Farm Programs	4.8	3.6	6.7	2.5	-	-	-
High Input Costs	10.0	7.6	9.8	6.2	-	30.0	6.7
Low Market Prices	36.0	36.9	33.1	39.4	-	60.0	40.0
Natural Disasters	8.7	11.5	8.9	6.9	20.0	-	20.0
Other	1.6	2.1	8.4	16.2	30.0	-	20.0
Total:	100.0	100.0	100.0	100.0	100.0	100.0	100.0

* Includes poor management, over-mechanized, and all other.

SOURCE: MCLRS, "Montana Agricultural Finance Summary," 1984.

TABLE XXII - 38

MONTANA AGRICULTURAL MORTGAGE DELINQUENCIES: 1984

Item	Federal Land Bank	FmHA	PCA
Loans	8,427	3,549	4,557
Real Estate Loans (%)	100	34	NA
Non-Real Estate Loans (%)	NA	36	100
Loans Delinquent (%)	2	40	7
Real Estate Loans Delinquent			
January 1 (number):			
1981	261	449	NA
1982	339	901	NA
1983	333	1,673	NA
1984	366	1,874	NA
Non-Real Estate Loans Delinquent			
January 1 (number):			
1981	NA	282	67*
1982	NA	401	103*
1983	NA	768	84*
1984	NA	921	112*

NA - Not available.

* Data not complete for three PCA offices.

SOURCE: MCLRS, "Montana Agricultural Finance Summary," 1984.

MONTANA FARM ECONOMIC INFORMATION
BY CROP REPORTING DISTRICTS: 1984
(average per farm)

Item	N West	N Central	N East	Central	S West	S Central	S East	State
Assets (\$000)	576	794	599	894	1,122	878	707	769
Liabilities (\$000)	114	198	181	265	313	289	238	217
Debt/Asset Ratio (%)	19.8	25.0	30.2	29.6	27.9	32.9	33.7	28.2
Interest Pd. in 1983 (\$000)	15	19	21	24	28	33	25	22
Avg. Interest Rate Paid for:								
Real Estate (%)	10.2	10.7	10.7	10.4	10.4	10.2	9.0	10.4
Non-Real Estate (%)	15.0	13.7	14.0	14.0	13.2	14.0	13.5	13.9
Income from Non-Farm Sources (%)	29.3	11.2	17.9	24.8	28.3	18.8	11.8	18.6
Real Estate Loans Delinquent (%)	13.5	16.0	34.4	11.9	16.3	10.4	12.4	17.6
Operating Loans Delinquent (%)	25.3	30.8	36.6	30.4	38.4	26.3	26.5	30.6
Time Farm Operator Expects to Stay in Business Under Current Economic Conditions: (%)								
1 Yr	8.6	9.5	8.3	11.3	7.1	7.4	10.6	9.4
2 - 5 Yrs	37.1	35.8	38.6	29.9	42.9	27.8	37.9	35.1
6 - 10 Yrs	8.6	8.0	5.2	6.2	7.1	5.6	15.1	7.8
Until Retirement	45.7	46.7	47.9	52.6	42.9	59.2	36.4	47.7

SOURCE: MCLRS "Montana Agricultural Finance Summary", 1984.

TABLE XXII - 40

REASONS MONTANA FARM BORROWERS
FAIL TO QUALIFY FOR FINANCING: 1984

Reason	Percent
Income Prospects Inadequate	63
Borrower's Equity Insufficient	23
History of Poor Management by Operator	9
Other	5
Total	100

SOURCE: MCLRS, "Montana Agricultural Finance Summary," 1984.

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MONTANA FARM FINANCE BALANCE SHEET
BY GROSS FARM INCOME: 1984

Gross Farm Income	No. of Reports	Debt/Asset Ratio Avg. (%)	Farm Assets Avg. (\$)	Farm Debt Avg. (\$)	Debt in Land Contracts (%)	Int. Paid Avg. (\$)
Less than \$10,000	19	14.6	230,418	33,582	26.9	3,543
\$10,000 - \$19,999	27	17.1	418,961	71,533	27.0	6,982
\$20,000 - \$39,999	57	26.1	371,108	96,740	31.5	9,084
\$40,000 - \$69,999	63	21.8	506,527	110,196	40.0	15,729
\$70,000 - \$99,999	86	29.3	795,464	232,780	49.3	23,745
\$100,000 - \$199,999	104	28.9	1,063,302	306,903	45.9	30,999
More than \$200,000	53	34.1	2,007,900	684,813	47.1	65,844
State Total:	414	28.2	769,114	216,854	39.7	22,241

SOURCE: MCLRS, "Montana Agricultural Finance Summary," 1984.

TABLE XXII - 42

MONTANA FARM FINANCE BALANCE SHEET
BY DEBT/ASSET RATIO: 1984

Debt/Asset Ratio Category	No. of Reports	Debt/Asset Ratio Avg. (%)	Farm Assets Avg. (\$)	Farm Debt Avg. (\$)	Debt in Land Contracts (%)	Int. Paid Avg. (\$)
0%	77	0	573,702	0	0	48
0% - 10%	58	4.3	805,751	34,866	32.4	4,865
10% - 20%	53	14.0	883,587	123,679	52.3	15,587
20% - 30%	41	24.6	1,097,016	270,009	60.1	31,168
30% - 40%	43	33.8	907,062	306,881	55.5	30,070
40% - 50%	43	43.7	894,245	390,499	48.7	40,251
50% - 60%	52	53.8	764,533	411,426	57.1	36,762
60% - 70%	19	63.8	470,708	300,628	57.3	33,969
More than 70%	28	82.2	601,765	494,965	53.7	49,279
State Total:	414	28.2	769,114	216,854	39.7	22,241

SOURCE: MCLRS, "Montana Agricultural Finance Summary," 1984.

TABLE XXII - 43

MONTANA FARM FINANCE BALANCE SHEET
BY TYPE OF FARM: 1984

Type of Farm	No. of Reports	Debt/Asset Ratio Avg. (%)	Farm Assets Avg. (\$)	Farm Debt Avg. (\$)	Debt in Land Contracts (%)	Int. Paid Avg. (\$)
Cash Grains Only	78	23.4	799,472	186,710	33.1	15,978
Mostly Crops	106	30.8	763,397	235,281	51.5	24,296
Livestock Only	91	24.5	681,227	166,685	33.2	16,108
Mostly Livestock	119	30.1	787,260	237,107	42.5	26,240
All Other	20	34.4	912,546	313,605	27.4	35,713
State Total:	414	28.2	769,114	216,854	39.7	22,241

SOURCE: MCLRS, "Montana Agricultural Finance Summary," 1984.

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MONTANA FARM FINANCE BALANCE SHEET
BY AGE OF OPERATOR: 1984

Age Category of Operator	No. of Reports	Debt/Asset Ratio Avg. (%)	Farm Assets Avg. (\$)	Farm Debt Avg. (\$)	Debt in Land Contracts (%)	Int. Paid Avg. (\$)
24 Yrs or Less	2	35.1	(D)	(D)	(D)	(D)
25 - 34 Yrs	50	35.9	855,443	307,429	43.2	24,734
35 - 44 Yrs	65	32.1	837,180	269,033	49.1	30,001
45 - 54 Yrs	102	37.2	762,777	283,717	50.7	26,827
55 - 64 Yrs	138	20.3	787,887	159,969	38.4	18,863
More than 65 Yrs	57	16.7	568,179	94,816	12.8	11,171
State Total:	414	28.2	769,114	216,854	39.7	22,241

SOURCE: MCLRS, "Montana Agricultural Finance Summary," 1984.

TABLE XXII - 45

MONTANA FARM FINANCE BALANCE SHEET
 BY SIZE OF FARM: 1984
 (in acres)

Size of Farm (in acres)	No. of Reports	Debt/Asset Ratio Avg. (%)	Farm Assets Avg. (\$)	Farm Debt Avg. (\$)	Debt in Land Contracts (%)	Int. Paid Avg. (\$)
499 or Less	37	37.1	331,619	122,947	37.2	15,003
500 - 999	41	32.2	544,724	175,632	32.9	18,940
1,000 - 1,999	71	25.2	576,982	145,403	35.7	14,674
2,000 - 2,999	67	29.2	631,650	184,474	44.8	19,945
3,000 - 4,999	73	21.8	977,002	213,546	41.5	22,795
5,000 - 9,999	57	34.8	1,448,882	503,525	56.5	45,186
More than 10,000	68	24.7	1,872,600	462,893	42.6	44,447
State Total:	414	28.2	769,114	216,854	39.7	22,241

SOURCE: MCLRS, "Montana Agricultural Finance Summary," 1984.

CHAPTER XXIII

CLIMATE

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TABLE XXIII - 1

MONTANA'S CLIMATE: WITH COMPARISONS

Area	Jan.	Mar.	May	July	Sept.	Nov.	Annual
<u>Average Maximum Daytime Temperature:</u>							
Montana	27.6	41.3	67.5	85.9	71.2	41.2	(X)
Colorado	39.5	51.4	70.9	87.1	77.5	51.9	(X)
Illinois	35.6	49.4	72.9	87.5	78.1	50.0	(X)
Minnesota	21.5	37.0	65.9	82.0	70.2	38.9	(X)
Utah	36.0	52.7	73.4	92.4	80.1	51.6	(X)
Washington	39.5	52.8	69.9	83.7	74.6	48.8	(X)
Wisconsin	26.7	40.0	67.1	83.3	72.0	42.9	(X)
<u>Average Temperature: (°F, 1921 - 1950)</u>							
Billings	23.2	33.7	56.8	74.7	60.4	35.1	(X)
Great Falls	22.1	30.7	53.0	69.4	57.4	34.3	(X)
Helena	18.6	31.4	52.9	68.4	56.0	31.6	(X)
Bozeman	20.3	30.1	51.3	66.4	55.8	31.9	(X)
Butte	15.1	26.3	47.3	62.7	51.2	27.7	(X)
Missoula	19.2	33.7	52.6	67.0	55.4	30.5	(X)
Kalispell	19.8	31.8	52.2	65.7	54.7	31.0	(X)
Minneapolis	14.6	30.9	58.5	74.1	62.2	33.0	(X)
Spokane	25.3	38.1	56.2	70.5	60.9	35.7	(X)
Salt Lake City	26.5	41.1	58.9	76.6	64.2	39.3	(X)
Madison	19.1	32.5	57.5	73.0	62.1	35.3	(X)
Denver	28.7	37.8	56.3	72.8	62.7	39.3	(X)
Chicago	24.9	37.0	59.2	74.6	65.6	39.5	(X)
<u>Average Precipitation: (inches, 1921 - 1950)</u>							
Billings	0.54	1.05	1.88	0.90	1.19	0.63	13.23
Great Falls	0.61	0.92	2.10	1.28	1.20	0.75	14.07
Helena	0.47	0.70	1.56	1.03	0.95	0.57	10.85
Bozeman	0.90	1.52	2.34	1.14	1.57	1.05	17.38
Butte	0.42	0.65	1.74	1.20	1.04	0.49	11.48
Missoula	0.92	0.73	1.87	0.85	1.02	0.90	12.83
Kalispell	1.37	0.96	1.67	1.04	1.04	1.43	15.42
Minneapolis	0.80	1.48	3.12	2.67	2.85	1.44	24.71
Spokane	2.44	1.50	1.21	0.38	0.75	2.24	17.19
Salt Lake City	1.20	1.66	1.56	0.61	0.74	1.42	14.74
Madison	1.31	1.83	3.27	3.30	3.99	2.29	30.00
Denver	0.50	1.19	2.20	1.36	1.08	0.70	14.20
Chicago	1.84	2.85	3.66	2.73	3.23	2.33	32.72

SOURCE: Long-time records of the National Oceanic & Atmospheric Administration, Environmental Data Service (for major cities in each state).

TABLE XXIII - 2

AVERAGE SNOWFALL IN MONTANA'S LARGER CITIES
(in inches by months, 40 yrs. of records)

City	Elev. (ft.)	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual* Total
Billings	3124	9.3	8.3	10.0	7.9	1.1	-	-	-	1.0	3.2	6.3	8.6	55.7
Bozeman	4795	15.0	9.7	16.9	10.5	2.9	0.3	-	-	0.5	4.3	10.9	12.5	83.5
Butte	5530	7.3	7.2	9.3	4.6	4.4	0.4	-	-	1.1	2.6	6.1	8.0	51.0
Glasgow	2092	6.9	4.0	3.5	3.0	0.5	-	-	-	-	1.5	2.8	4.6	26.9
Great Falls	3330	9.9	8.4	9.5	7.7	1.3	0.4	-	-	1.3	3.0	7.4	8.5	57.4
Havre	2489	9.8	5.2	5.8	9.3	-	-	-	-	0.3	1.0	4.0	7.3	42.9
Helena	4157	9.0	6.2	7.2	5.4	1.5	0	0	0	1.5	2.0	6.7	8.3	47.9
Kalispell	2956	19.6	10.9	6.5	2.3	1.2	0	0	0	0	1.6	8.7	16.5	67.4
Miles City	2371	6.4	5.3	5.3	3.4	0.5	-	-	-	0.3	1.5	3.6	5.5	31.9
Missoula	3213	13.3	8.2	6.1	2.6	0.8	-	-	-	-	0.9	6.2	10.9	49.0
State Avg.	3406	10.7	7.3	8.0	5.7	1.4	0.1	0	0	0.6	2.2	6.3	9.1	51.4

* may not be exact due to rounding of figures

AVERAGE ANNUAL SNOWFALL (inches) AND ELEVATION (feet) FOR SELECTED CITIES IN THE U.S. (ENTIRE PERIOD OF RECORD)
 Albany, NY 67.3 (200); Buffalo, NY 89.0 (585); Chicago, IL 39.7 (595);
 Cleveland, OH 50.5 (660); Denver, CO 58.7 (5280); Hartford, CT 56.3 (40);
 Milwaukee, WI 43.7 (635); Minneapolis, MN 45.1 (815); Salt Lake City, UT 56.3 (4390)

SOURCE: National Oceanic & Atmospheric Administration, Statistical Abstract of the United States, and the
World Almanac

TABLE XXIII - 3

MONTANA CLIMATOLOGICAL DATA
PRECIPITATION & NUMBER OF DAYS BETWEEN FREEZING TEMPERATURES
1982 - 1983

County & District	Stations	Precipitation, inches						Number of Days Between Dates of Temp. of 32°F, Last in Spring & First in Fall ¹		
		Annual ²			Growing Season ²					
		1982	1983	Normal	1982	1983	Normal	1982	1983	Normal ³
Deer Lodge	Anaconda	(NA)	15.85	13.84	(NA)	10.30	8.82	(NA)	116	(NA)
Flathead	Kalispell	19.49	17.82	15.93	10.48	10.17	8.37	103	77	135
Granite	Philipsburg	(NA)	16.06	14.22	(NA)	12.13	9.77	37	44	55
Lake	St. Ignatius	18.27	19.35	16.18	10.97	14.10	9.91	108	118	119
Lincoln	Fortine	17.82	17.51	17.25	10.30	10.12	9.60	99	99	39
Mineral	Superior	15.04	15.93	17.46	8.88	9.20	8.14	126	126	85
Missoula	Missoula	15.38	16.71	13.29	8.61	10.71	7.12	148	127	112
Powell	Ovando	16.18	15.29	16.43	7.56	9.86	8.49	26	52	39
Ravalli	Hamilton	15.85	14.29	13.11	8.73	9.20	6.93	104	122	122
Sanders	Thompson Falls	29.86	22.28	22.77	10.82	10.27	8.53	127	127	115
Northwest Averages		18.49	17.11	16.05	9.54	10.61	8.57	97	101	91
Blaine	Chinook	(NA)	17.24	11.93	(NA)	14.17	9.05	105	95	119
Chouteau	Fort Benton	18.64	15.24	14.60	12.98	10.73	10.06	107	116	127
Glacier	Cut Bank	(NA)	8.59	11.99	(NA)	7.21	9.69	106	110	108
Hill	Havre	14.99	12.60	11.16	10.74	9.89	7.96	105	115	138
Liberty	Joplin	10.94	10.17	10.58	8.99	8.43	8.67	103	112	115
Phillips	Malta	15.70	10.42	11.58	13.57	8.46	9.12	108	118	131
Pondera	Valier	13.47	7.97	12.28	11.01	5.58	10.05	106	127	114
Teton	Fairfield	13.00	9.92	12.51	9.80	7.59	9.80	97	124	121*
Northcentral Averages		14.46	11.52	12.01	11.18	9.01	9.30	105	115	122
Daniels	Scobey	18.23	10.45	13.49	10.67	7.55	10.24	105	123	116
Dawson	Glendive	17.74	6.51	13.45	11.74	4.83	10.37	142	126	139
Garfield	Jordan	14.80	8.20	12.54	10.29	6.01	9.56	101	123	108
McCone	Vida	(NA)	(NA)	15.70	11.28	(NA)	11.93	136	(NA)	(NA)
Richland	Savage	18.27	8.52	13.86	11.64	6.36	11.36	137	129	131
Roosevelt	Culbertson	15.00	8.00	14.29	10.50	6.20	11.40	112	118	114
Sheridan	Medicine Lake	16.06	8.20	14.30	10.98	6.76	11.20	131	126	107
Valley	Glasgow	12.21	7.33	11.17	8.13	6.08	8.95	163	127	124
Northeast Averages		16.04	8.17	13.65	10.65	6.26	10.63	128	125	120
Broadwater	Townsend	10.18	12.88	11.11	7.61	11.11	8.17	103	113	119*
Cascade	Great Falls	12.68	15.09	15.24	11.26	11.30	10.02	105	124	135
Fergus	Lewistown	22.37	16.24	17.66	14.42	11.28	12.51	103	101	107
Golden Valley	Barber	15.90	12.05	12.49	12.59	8.45	9.41	106	110	108
Judith Basin	Stanford	(NA)	15.65	15.34	12.83	11.47	11.47	106	109	104
Lewis & Clark	Helena	13.98	11.40	11.37	9.27	11.99	8.94	107	126	134
Meagher	White Sul. Spr.	(NA)	13.24	15.70	10.10	9.91	10.52	103	112	97
Musselshell	Roundup	13.77	12.44	12.01	10.95	7.99	9.31	112	125	129
Petroleum	Flatwillow	16.06	10.32	13.33	12.40	6.82	10.16	142	127	122
Wheatland	Harlowton	19.39	13.43	12.88	15.56	10.81	9.49	105	101	96
Central Averages		16.17	13.27	13.71	11.70	10.11	9.86	109	115	115

TABLE XXIII - 3
(cont.)

County & District	Stations	Precipitation, inches						Number of Days Between Dates of Temp. of 32°F, Last in Spring & First in Fall ¹		
		Annual			Growing Season			First in Fall ³		
		1982	1983	Normal ²	1982	1983	Normal ²	1982	1983	Normal ³
Beaverhead	Dillon	15.31	11.48	11.10	11.29	10.17	7.00	103	101	99
Gallatin	Bozeman	22.42	18.27	18.63	14.57	12.91	11.89	106	101	107
Madison	Virginia City	17.89	16.77	16.26	12.28	9.84	11.29	94	88	67*
Silver Bow	Butte	12.83	12.55	11.73	8.09	9.86	8.40	94	96	94
	Southwest Averages	16.17	14.77	17.11	11.56	10.70	9.65	99	97	81
Big Horn	Crow Agency	18.56	12.75	15.31	11.08	7.37	10.09	106	123	125
Carbon	Red Lodge	32.80	24.15	25.02	20.64	14.80	14.93	104	114	104
Park	Livingston	15.54	15.39	15.12	11.62	10.85	10.43	105	100	116
Stillwater	Columbus	18.76	14.12	13.87	15.70	10.54	9.80	119	110	121*
Sweet Grass	Big Timber	21.17	18.06	15.20	16.22	13.80	10.77	106	124	123
Treasure	Hysham	15.36	11.92	12.77	11.29	9.14	9.21	112	127	121
Yellowstone	Billings	18.27	12.86	15.09	12.77	8.57	9.31	128	128	132
	Southcentral Averages	17.11	15.61	16.05	14.19	10.72	10.65	111	118	120
Carter	Ekalaka	24.38	10.79	16.21	16.32	6.44	7.82	107	99	122
Custer	Miles City	16.38	8.79	14.11	11.77	6.52	10.11	121	127	150
Fallon	Plevna	(NA)	16.82	13.21	14.40	10.07	10.34	110	103	118
Powder River	Broadus	18.41	8.75	13.84	12.49	4.04	9.83	111	134	128
Prairie	Mildred	20.26	7.28	13.28	13.80	5.15	10.63	107	104	119
Rosebud	Forsyth	15.09	10.16	12.13	10.77	8.04	9.51	145	145	130
Wibaux	Wibaux	21.01	9.38	13.84	12.84	6.71	11.32	107	89	107*
	Southeast Averages	19.26	10.28	13.80	10.66	6.71	9.94	115	114	129

¹ In this comparison, the 'first in Fall' is the first freezing temperature after June 30.

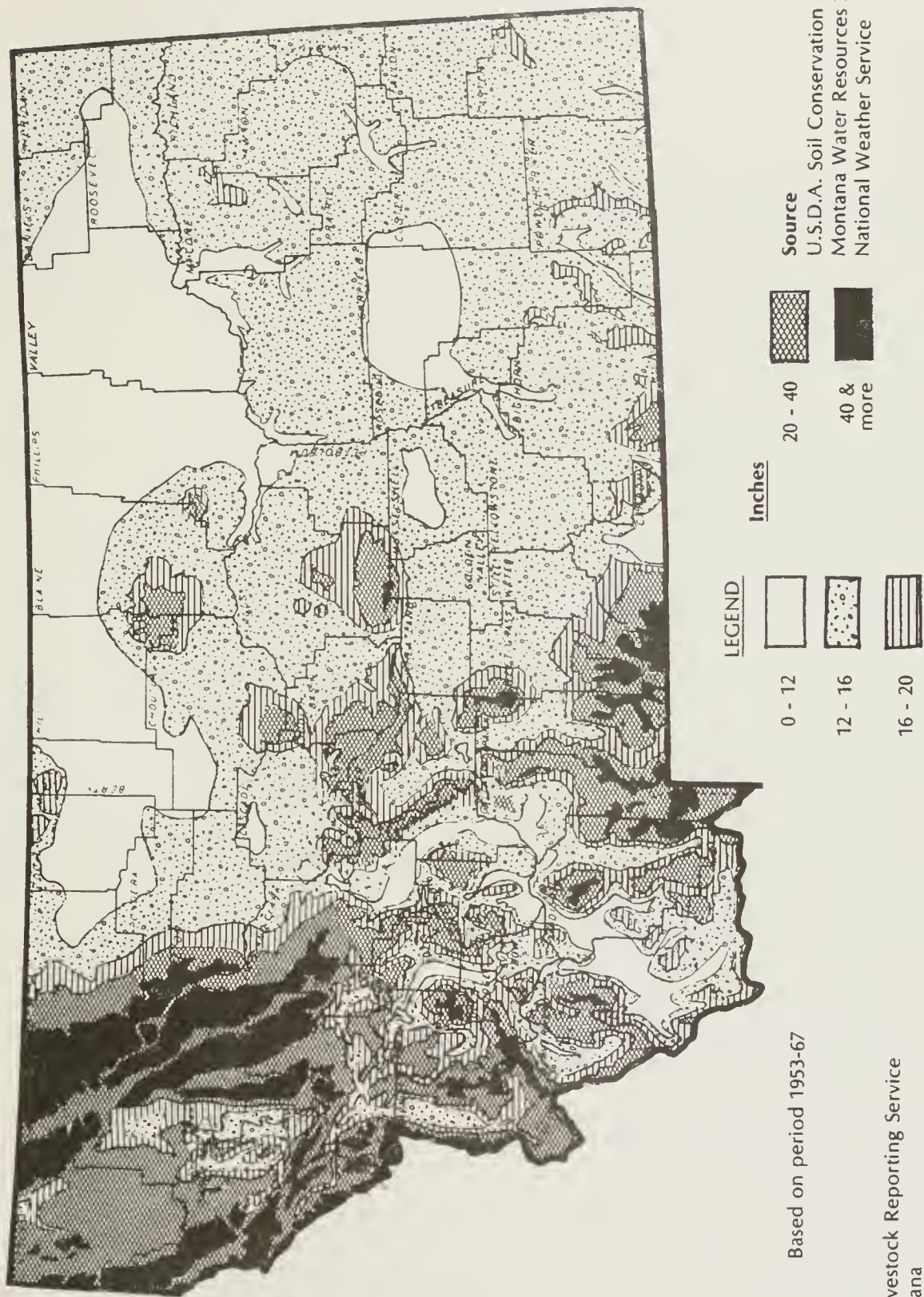
² Normal for period 1951-1980.

³ Normal for period 1941-1970; * - three-year average.

SOURCE: Pratt & Lies, Montana Agricultural Statistics, 1984, p. 21. Prepared by the National Weather Service, Great Falls, Montana.

FIGURE XXIII-1

AVERAGE ANNUAL PRECIPITATION



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